1206

AIWA®

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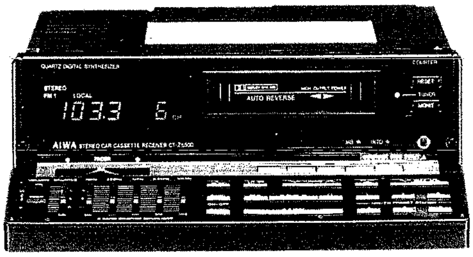
DATE OF ISSUE 8/1987-I

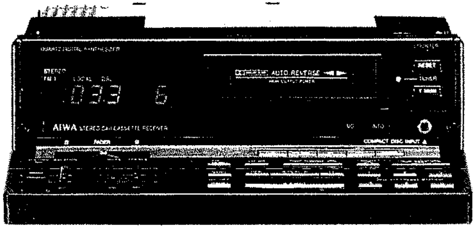
SERVICE MANUAL

MODEL No. CT-X5500, Z5500



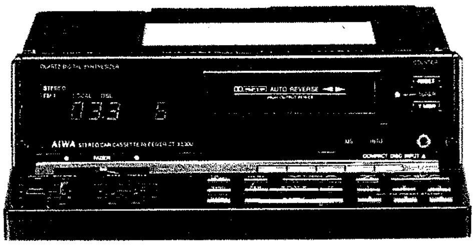
- STEREO CASSETTE CAR RECEIVER
- TYPE. Y
- BASIC MECHANISM : CDS-50-WP1

MODEL No. CT-X5200, Z5200



- STEREO CASSETTE CAR RECEIVER
- TYPE. Y
- BASIC MECHANISM : CDS-50-WP2

MODEL No. CT-X5300



- STEREO CASSETTE CAR RECEIVER
- TYPE. Y
- BASIC MECHANISM : CDS-50-WP2

AIWA CO., Ltd. Tokyo Japan

Printed in Japan

1206

SPECIFICATIONS

<FM SECTION>

Frequency Range:	[100 kHz step] 87.5 MHz - 108 MHz [200 kHz step] 87.5 MHz - 107.9 MHz
Usable Sensitivity:	12.7 dBf
50 dB Quieting Sensitivity:	17.2 dBf
IF Rejection:	80 dB
Frequency Response:	30 Hz - 15,000 Hz
S/N Ratio:	67 dB
Stereo Separation:	35 dB at 1 kHz
Alternate Channel Selectivity:	80 dB
Capture Ratio:	2 dB

<MW SECTION>

Frequency Range:	[9 kHz step] 531 kHz - 1,602 kHz [10 kHz step] 530 kHz - 1,620 kHz
Usable Sensitivity:	25 µV (28dB)

<LW SECTION> (YL model)

Frequency range:	153kHz-281kHz
Usable sensitivity:	45µ

<TAPE SECTION>

Wow and Flutter:	0.1% (WRMS)
Tape Speed:	4.8 cm/sec. (1-7/8 ips)
S/N Ratio (METAL):	Dolby off 54dB Dolby B on 64dB Dolby C on 71dB (CT-Z5500) (CT-X5500)
Frequency Response:	(CT-Z5500) (CT-X5500) 40 Hz - 18,000 Hz (NORMAL) 40 Hz - 20,000 Hz (METAL) (CT-Z5200) (CT-X5300/CT-X5200) 40 Hz - 16,000 Hz (NORMAL) 40 Hz - 18,000 Hz (METAL)
Stereo Separation:	40 dB
FF/REW Time :	100 sec. (C-60)

<AUDIO SECTION>

Max. Power Output:	20W per channel
Continuous Average Power Output:	8 W per channel 100 - 20,000 Hz at THD 0.8%

<GENERAL>

Power Supply Voltage:	14.4 V (11 to 16 V allowable), DC, negative ground
Load Impedance:	4 ohm
Tone Control:	(CT-Z5500) (CT-X5500) ± 10dB (5band/GEQ) (CT-Z5200) (CT-X5300/CT-X5200) Bass ± 10dB at 100 Hz Treble ± 10dB at 10kHz
Pre-amp. Output Voltage:	1000 mV (MAX.)
Installation Sleeve Size:	(CT-Z5500) (CT-X5500/CT-X5300) 182 (W) × 53 (H) × 165 (D) mm (CT-Z5200) (CT-X5200) 182 (W) × 53 (H) × 152 (D) mm

- Design and specifications are subject to change without notice.
- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
- Dolby and the DD symbol are trademarks of Dolby Laboratories Licensing Corporation.

■ ACCESSORIES／PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q'TY
	1	★84-440-914-010		INSTRUCTION BOOKLET(Y) (CT-Z5200,Z5500 Y ONLY)	*	1
	2	★84-440-915-010		INSTRUCTION BOOKLET(YL) (CT-Z5200,Z5500 YL ONLY)	*	1
	3	★84-440-916-010		INSTRUCTION BOOKLET(YU) (CT-X5200,X5300,X5500 YU ONLY)	*	1
	4	★82-685-236-010		METAL FITTING		1
	5	★84-441-201-010		HALF SLEEVE DIN (CT-X5200,Z5200 ONLY)	*	1
	6	★87-501-239-010		VF+5-12		2
	7	★84-440-270-010		DIN,SLEEVE ASSY (EXCEPT CT-X5200,Z5200)		1

DISASSMBLY INSTRUCTIONS

1. Removing Top Panel and Bottom Panel

1) Remove the 5 screws. (See Figure-1)
   (Ⓐ x1−8mm, Ⓑ x4−3mm)
2) Remove the 4 screws. (See Figure-1)
   (Ⓑ' x4−3mm)

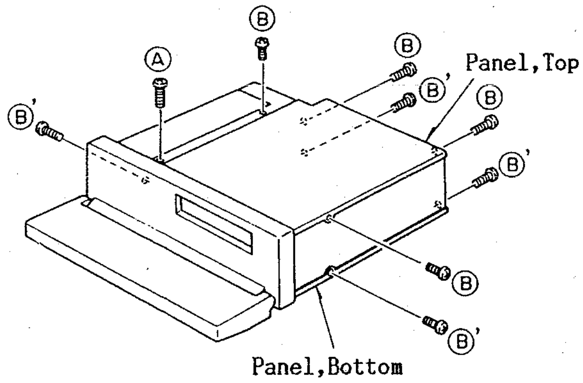

Ⓑ
Ⓐ
Ⓑ
Panel,Top
Ⓑ'
Ⓑ
Ⓑ'
Ⓑ'
Ⓑ
Ⓑ'
Panel,Bottom

Fig. 1

2. Removing Power C.B.

1) Remove the single screw, Ⓐ. (See Figure-2)

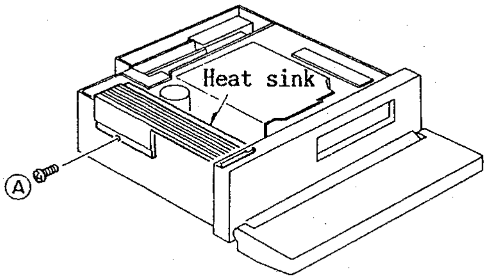


Fig. 2

2) Remove the 5 screws. (See Figure-3)
   (Ⓑ x2−4mm, Ⓒ x3−8mm)

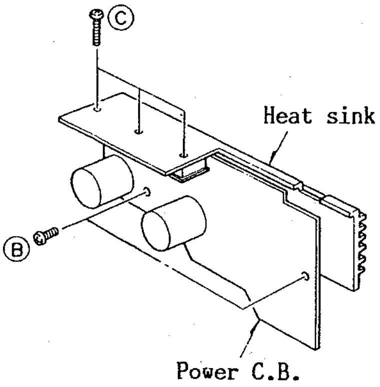

Ⓒ
Heat sink
Ⓑ
Power C.B.

Fig. 3

3. Removing Mechanism

1) Remove the 4 screws. (See Figure-4)

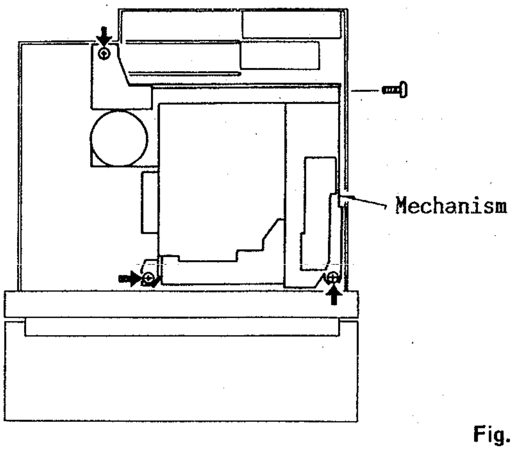


Fig. 4

4. Removing Front Cabinet and Display C.B.

1) Remove the 5 screws and single knob. (See Figure-5)
   (Ⓐ x2−4mm, Ⓑ x2−6mm, Ⓒ x1−3mm)
2) Insert a flat head screwdriver between the front cabinet and chassis to remove it in the direction of the arrow. (See Figure-5)

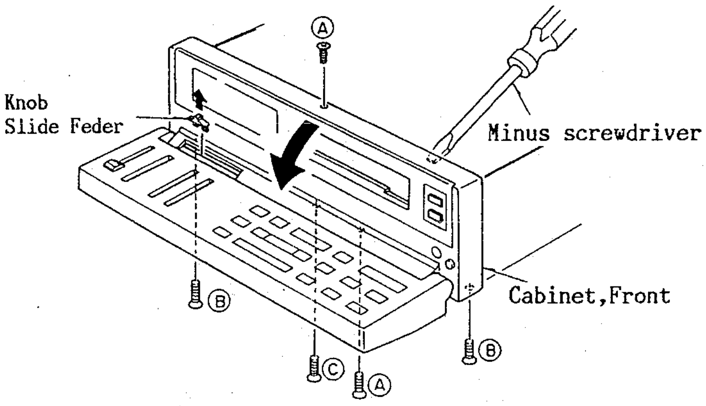

Ⓐ
Knob
Slide Feder
Minus screwdriver
Cabinet,Front
Ⓑ
Ⓑ
Ⓒ
Ⓐ

Fig. 5

3) Remove the 3 screws and detach the 2 hook of the Front Cabinet. (See Figure-6)

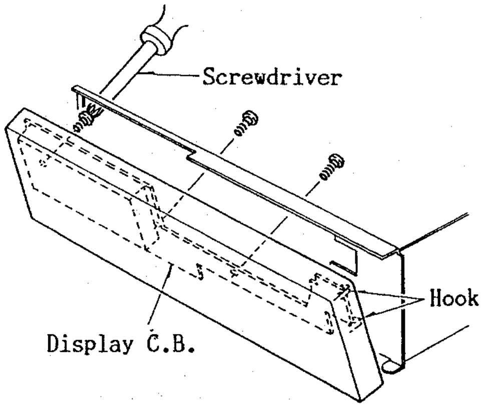

Screwdriver
Hook
Display C.B.

Fig. 6

Note) Do not pull the flexibles cords of the Display C.B forcibly as it could cause the cords to be cut.

ELECTRICAL MAIN PARTS LIST (CT–X5500/Z5500)

=== IC ===

REF.NO.	PART NO. ORDER	DESCRIPTION
	87-001-115-010	IC,BA338
	87-020-914-010	IC,HA12088ANT
	87-020-994-010	IC,LA1145
	87-020-271-010	IC,LA3600
	87-001-111-010	IC,LA4465
	87-020-999-010	IC,LA4466
	87-001-117-010	IC,LB8555D
	87-020-701-010	IC,M4013
	87-020-096-010	IC,M4066BP
	87-020-710-010	IC,M4071BP
	87-027-895-010	IC,M5218L
	87-020-726-010	IC,M5278L56
	87-020-998-010	IC,NJM2904
	87-020-996-010	IC,STK3400A
	87-020-995-010	IC,STK3400B
	87-001-116-010	IC,TA7705F
	87-027-976-010	IC,TC4001BP
	87-001-295-010	IC,TC4013BP
	87-020-428-010	IC,TC4081BP
	87-020-993-010	IC,TC9310-036
	87-020-997-010	IC,UPD1714G-011

=== TRANSISTOR ===

REF.NO.	PART NO. ORDER	DESCRIPTION
	87-026-227-010	TRANSISTOR,DTA114EK
	87-026-228-010	TRANSISTOR,DTA124EK
	87-026-216-010	TRANSISTOR,DTA124ES
	87-026-288-010	TRANSISTOR,DTA143XS
	87-026-311-010	TRANSISTOR,DTB123YS
	87-026-235-010	TRANSISTOR,DTC114EK
	87-026-213-010	TRANSISTOR,DTC114YK
	87-026-215-010	TRANSISTOR,DTC114YS
	87-026-236-010	TRANSISTOR,DTC124E,K
	87-026-217-010	TRANSISTOR,DTC124ES
	87-026-313-010	TRANSISTOR,DTC343TS
	87-026-318-010	TRANSISTOR,DTC363EK
	89-209-092-010	TRANSISTOR,2SB909(QR)
	87-209-862-010	TRANSISTOR,2SB986
	87-318-464-010	TRANSISTOR,2SC1846R
	89-318-464-010	TRANSISTOR,2SC1846R,S
	89-324-584-010	TRANSISTOR,2SC2458Y
	89-327-124-010	TRANSISTOR,2SC2712Y
	89-232-654-010	TRANSISTOR,2SC3265Y
	89-333-266-010	TRANSISTOR,2SC3326B
	89-212-252-010	TRANSISTOR,2SD1225(QR)

=== MAIN CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-A	★84-440-601-010	MAIN CIRCUIT BOARD
BAT501	★84-440-623-010	BATTERY,L
BPF1	★87-030-104-010	FILTER BPWB8L(YU,YUC,YL)
C101	★87-018-134-010	CAP,CERA-SOL SS 0.01
C102	★87-018-134-010	CAP,CERA-SOL SS 0.01(YL,YZ)
C103	★87-018-134-010	CAP,CERA-SOL SS 0.01
C104	★87-018-119-010	CAP,CERA-SOL SS 100P
C105	★87-010-552-010	CAP,ELECT 22-16
C107	★87-010-380-010	CAP,ELECT 47-16 SME
C108	★87-018-104-010	CAP,CERA-SOL SS 10P
C109	★87-018-134-010	CAP,CERA-SOL SS 0.01
C135	★87-018-134-010	CAP,CERA-SOL SS 0.01
C141	★87-010-552-010	CAP,ELECT 22-16(YL)
C401	★87-010-555-010	CAP,ELECT 100-10 SRE
C402	★87-010-555-010	CAP,ELECT 100-10 SRE
C403	★87-010-403-010	CAP,ELECT 3.3-50 SME
C404	★87-010-403-010	CAP,ELECT 3.3-50 SME
C409	★87-010-494-010	CAP,ELECT 1-50V
C410	★87-010-494-010	CAP,ELECT 1-50V
C411	★87-010-491-010	CAP,ELECT 0.22-50
C412	★87-010-491-010	CAP,ELECT 0.22-50
C428	★87-010-101-010	CAP,ELECT 220-16 SME
C429	★87-012-340-010	CAP,ELECT 220-16
C432	★87-010-248-010	CAP,ELECT 220-10 SME
C434	★87-018-134-010	CAP,CERA-SOL SS 0.01
C435	★87-010-497-010	CAP,ELECT 4.7-35
C436	★87-010-497-010	CAP,ELECT 4.7-35
C439	★87-010-494-010	CAP,ELECT 1-50V
C440	★87-010-494-010	CAP,ELECT 1-50
C441	★87-010-494-010	CAP,ELECT 1-50V
C442	★87-010-494-010	CAP,ELECT 1-50V
C443	★87-010-402-010	CAP,ELECT 2.2-50 SME
C444	★87-010-402-010	CAP,ELECT 2.2-50 SME
C445	★87-010-494-010	CAP,ELECT 1-50
C501	★87-010-248-010	CAP,ELECT 220U-10V SME
C502	★87-018-134-010	CAP,CERA-SOL SS 0.01
C503	★87-010-248-010	CAP,ELECT 220U-10V SME
C506	★87-010-075-010	CAP,ELECT 10-16
C507	★87-018-123-010	CAP,CERA-SOL SS 220P
C509	★87-012-340-010	CAP,ELECT 220-16
C556	★87-018-134-010	CAP,CERA-SOL SS 0.01
C581	★87-010-497-010	CAP,ELECT 4.7-35
C601	★87-012-340-010	CAP,ELECT 220-16
C602	★87-012-339-010	CAP,ELECT 0.47U
C604	★87-018-131-010	CAP,CERA-SOL SS 1000P(Y,YU,YUC)
C604	★87-018-134-010	CAP,CERA-SOL SS 0.01(YL,YZ)
C605	★87-010-499-010	CAP,ELECT 22-6.3
C606	★87-012-339-010	CAP,ELECT 0.47U
C608	★87-018-134-010	CAP,CERA-SOL SS 0.01
C609	★87-010-498-010	CAP,ELECT 10-16
C612	★87-018-134-010	CAP,CERA-SOL SS 0.01
C613	★87-010-401-010	CAP,ELECT 1-50 SME
C614	★87-010-401-010	CAP,ELECT 1-50 SME
C615	★87-010-499-010	CAP,ELECT 22-6.3
C617	★87-012-340-010	CAP,ELECT 220-16
C632	★87-018-134-010	CAP,CERA-SOL SS 0.01 (YU,YUC,YL,YZ)
CF101	★84-440-613-010	FILTER,CF SFE10.7MS2(YU,YUC,Y)
CF101	★84-440-646-010	FILTER,CF SFE 10.7MS3(YL,YZ)
D101	87-027-584-010	DIODE,ZENER HZ9C1L
D102	87-027-097-010	DIODE 1S1555
D401	87-027-097-010	DIODE 1S1555
D406	87-027-097-010	DIODE 1S1555
D409	87-027-393-010	DIODE,ZENER HZ4C2
D501	87-027-097-010	DIODE 1S1555
D502	87-027-097-010	DIODE 1S1555
D503	87-027-097-010	DIODE 1S1555
D505	87-027-097-010	DIODE 1S1555
D506	87-027-097-010	DIODE 1S1555
D507	87-027-097-010	DIODE 1S1555
D508	87-027-097-010	DIODE 1S1555
D509	87-027-097-010	DIODE 1S1555
D510	87-027-097-010	DIODE 1S1555
D511	87-027-097-010	DIODE 1S1555
D512	87-027-097-010	DIODE 1S1555
D515	87-027-097-010	DIODE 1S1555
D516	87-027-097-010	DIODE 1S1555
D517	87-027-097-010	DIODE 1S1555
D518	87-027-097-010	DIODE 1S1555(YZ)
D519	87-027-097-010	DIODE 1S1555
D520	87-027-097-010	DIODE 1S1555

REF.NO.	PART NO. ORDER	DESCRIPTION
D522	87-027-097-010	DIODE 1S1555
D523	87-027-097-010	DIODE 1S1555
D524	87-027-097-010	DIODE 1S1555
D525	87-027-097-010	DIODE 1S1555
D526	87-027-097-010	DIODE 1S1555
D527	87-027-097-010	DIODE 1S1555
D528	87-027-097-010	DIODE 1S1555
D529	87-027-097-010	DIODE 1S1555
D530	87-027-417-010	DIODE,ZENER HZ11AIL
D531	87-027-461-010	DIODE,ZENER HZ9B3
D551	87-027-097-010	DIODE 1S1555
D553	87-027-097-010	DIODE 1S1555(YU,YUC,Y)
D557	87-027-097-010	DIODE 1S1555(Y)
D558	87-027-097-010	DIODE 1S1555(Y)
D601	87-027-097-010	DIODE 1S1555
D602	87-027-097-010	DIODE 1S1555
D603	87-027-097-010	DIODE 1S1555
D604	87-027-097-010	DIODE 1S1555
D605	87-027-097-010	DIODE 1S1555
D607	87-027-097-010	DIODE 1S1555
D610	87-027-375-010	DIODE,ZENER HZ-7C3L
DSP201	★84-415-621-010	SURGE PROTECTOR DSP-201M
L101	★87-003-143-010	COIL 4.7MMH
R113	★87-024-090-010	RES,10 1/2W
SW501	84-440-624-010	SLIDE SW(STEP)(Y)
X501	★84-415-611-010	CRYSTAL 4.5M
=== POWER CIRCUIT BOARD SECTION ===		
PCB-B	★ *	POWER CIRCUIT BOARD
C701	★87-010-495-010	CAP,ELECT 2.2-50
C702	★87-010-495-010	CAP,ELECT 2.2-50
C703	★87-010-178-010	CAP,CHIP 1000P
C704	★87-010-178-010	CAP,CHIP 1000P
C705	★87-010-550-010	CAP,ELECT 6.3-100
C706	★87-010-550-010	CAP,ELECT 6.3-100
C707	★87-010-550-010	CAP,ELECT 6.3-100
C708	★87-010-550-010	CAP,ELECT 6.3-100
C713	★87-010-495-010	CAP,ELECT 2.2-50
C714	★87-010-488-010	CAP,ELECT 2200-16
C715	★87-010-488-010	CAP,ELECT 2200-16
C717	★87-010-181-010	CAP,CHIP S 1800P
C718	★87-010-181-010	CAP,CHIP S 1800P
C719	★87-010-181-010	CAP,CHIP S 1800P
C720	★87-010-181-010	CAP,CHIP S 1800P
C721	★87-010-497-010	CAP,ELECT 4.7-35
C722	★87-010-497-010	CAP,ELECT 4.7-35
C723	★87-010-497-010	CAP,ELECT 4.7-35
C724	★87-010-497-010	CAP,ELECT 4.7-35
C725	★87-010-322-010	CAP,CHIP 100P CH
C726	★87-010-322-010	CAP,CHIP 100P CH
C727	★87-010-322-010	CAP,CHIP 100P CH
C728	★87-010-322-010	CAP,CHIP 100P CH
C729	★87-010-494-010	CAP,ELECT 1-50V
C730	★87-010-494-010	CAP,ELECT 1-50V
C731	★87-010-494-010	CAP,ELECT 1-50V
C732	★87-010-494-010	CAP,ELECT 1-50V
C733	★87-010-494-010	CAP,ELECT 1-50V
C734	★87-010-494-010	CAP,ELECT 1-50V
C735	★87-010-494-010	CAP,ELECT 1-50V
C736	★87-010-494-010	CAP,ELECT 1-50V
C737	★87-010-235-010	CAP,ELECT 470-16
C738	★87-010-555-010	CAP,ELECT 100-10 SRE
D701	87-027-097-010	DIODE 1S1555

REF.NO.	PART NO. ORDER	DESCRIPTION
=== DOLBY CIRCUIT BOARD SECTION ===		
PCB-C	★ *	DOLBY CIRCUIT BOARD
C301	★87-010-494-010	CAP,ELECT 1-50V
C302	★87-010-494-010	CAP,ELECT 1-50V
C307	★87-010-494-010	CAP,ELECT 1-50V
C308	★87-010-494-010	CAP,ELECT 1-50V
C309	★87-012-338-010	CAP,ELECT 0.68-50
C310	★87-012-338-010	CAP,ELECT 0.68-50
C311	★87-010-495-010	CAP,ELECT 2.2-50
C312	★87-010-495-010	CAP,ELECT 2.2-50
C319	★87-012-338-010	CAP,ELECT 0.68-50
C320	★87-012-338-010	CAP,ELECT 0.68-50
C321	★87-010-495-010	CAP,ELECT 2.2-50
C322	★87-010-495-010	CAP,ELECT 2.2-50
C323	★87-010-235-010	CAP,ELECT 470-16
C324	★87-012-341-010	CAP,ELECT 10-16
C325	★87-010-235-010	CAP,ELECT 470-16
C326	★87-010-552-010	CAP,ELECT 22-16
D301	87-020-027-010	DIODE CHIP 1SS184
D302	87-027-365-010	DIODE S5277B
L301	★84-440-621-010	COIL SQ 20K
L302	★84-440-621-010	COIL SQ 20K
SFR301	★87-021-864-010	SFR 10K
SFR302	★87-021-864-010	SFR 10K
=== IF CIRCUIT BOARD SECTION ===		
PCB-D	★ *	IF CIRCUIT BOARD
C151	★87-010-314-010	CAP,CHIP S 22P CH
C152	★87-012-141-010	CAP,CHIP S 0.22
C153	★87-010-182-010	CAP,CHIP 2200P
C155	★87-010-452-010	CAP,CHIP 1U
C156	★87-010-552-010	CAP,ELECT 22-16
C157	★87-010-196-010	CAP,CHIP 0.1
C158	★87-010-494-010	CAP,ELECT 1-50V
C159	★87-010-184-010	CAP,CHIP S 3300P
C160	★87-010-494-010	CAP,ELECT 1-50V
C161	★87-010-316-010	CAP,CHIP S 33P CH
C162	★87-010-497-010	CAP,ELECT 4.7-35
C163	★87-010-551-010	CAP,ELECT 330-10
C164	★87-010-184-010	CAP,CHIP S 3300P
C165	★87-010-193-010	CAP,CHIP 0.033
C168	★87-010-551-010	CAP,ELECT 330-10
C169	★87-010-493-010	CAP,ELECT 0.47-50
C170	★87-010-497-010	CAP,ELECT 4.7-35
C171	★87-010-182-010	CAP,CHIP 2200P
C172	★87-010-491-010	CAP,ELECT 0.22-50
C173	★87-010-494-010	CAP,ELECT 1-50V
C174	★87-010-198-010	CAP,CHIP 0.022
C175	★87-010-189-010	CAP,CHIP S 8200P(YU,YUC)
C175	★87-010-197-010	CAP,CHIP 0.01BK(Y,YL,YZ)
C176	★87-010-189-010	CAP,CHIP S 8200P(YU,YUC)
C176	★87-010-197-010	CAP,CHIP 0.01BK(Y,YL,YZ)
C188	★87-010-196-010	CAP,CHIP 0.1
CF151	★84-440-613-010	FILTER,CF SFE10.7MS2
CF151	★84-440-646-010	FILTER,CF SFE 10.7M3
D151	87-020-110-010	DIODE 1SS177
D152	87-020-027-010	DIODE CHIP 1SS184
D153	87-020-339-010	DIODE CHIP 1SS226
D155	87-020-339-010	DIODE CHIP 1SS226
L151	★87-005-151-010	COIL S 2.2UH
L152	★84-440-615-010	IFT,10.7MHZ DET
SFR151	★87-021-867-010	SFR 47K
SFR152	★87-021-865-010	SFR 22K

REF.NO.	PART NO. ORDER	DESCRIPTION
SFR153	★87-021-867-010	SFR 47K
SFR154	★87-021-867-010	SFR 47K
SFR155	★87-021-860-010	SFR 6.1K
X151	★84-440-614-010	VIBRATOR CERAMIC 456
=== LOGIC CIRCUIT BOARD SECTION ===		
PCB-E	★ *	LOGIC CIRCUIT BOARD
C901	★87-010-194-010	CAP,CHIP 0.047
C902	★87-010-492-010	CAP,ELECT 0.33-50
C903	★87-010-491-010	CAP,ELECT 0.22-50
C904	★87-010-494-010	CAP,ELECT 1-50V
C905	★87-010-497-010	CAP,ELECT 4.7-35
C906	★87-010-497-010	CAP,ELECT 4.7-35
C907	★87-010-561-010	CAP,ELECT 100-16
C908	★87-010-553-010	CAP,ELECT 47-16
C909	★87-010-498-010	CAP,ELECT 10-16
C910	★87-010-187-010	CAP,CHIP S 5600P
C911	★87-010-555-010	CAP,ELECT 100-10
C912	★87-010-561-010	CAP,ELECT 100-16
C913	★87-010-555-010	CAP,ELECT 100-10
C914	★87-010-197-010	CAP,CHIP 0.01BK
C915	★87-010-552-010	CAP,ELECT 22-16
C916	★87-010-194-010	CAP,CHIP 0.047
C917	★87-010-197-010	CAP,CHIP 0.01BK
C918	★87-010-552-010	CAP,ELECT 22-16
C919	★87-010-494-010	CAP,ELECT 1-50V
C920	★87-010-561-010	CAP,ELECT 100-16
C921	★87-010-497-010	CAP,ELECT 4.7-35
C922	★87-010-497-010	CAP,ELECT 4.7-35
C923	★87-010-197-010	CAP,CHIP 0.01BK
C924	★87-010-197-010	CAP,CHIP 0.01BK
C925	★87-010-553-010	CAP,ELECT 47-16
C926	★87-010-553-010	CAP,ELECT 47-16
C927	★87-010-174-010	CAP,CHIP S 470P
C928	★87-010-174-010	CAP,CHIP S 470P
C929	★87-010-174-010	CAP,CHIP S 470P
C930	★87-010-174-010	CAP,CHIP S 470P
C931	★87-010-552-010	CAP,ELECT 22-16
C932	★87-010-197-010	CAP,CHIP 0.01BK
C933	★87-010-197-010	CAP,CHIP 0.01BK
C934	★87-010-549-010	CAP,ELECT 47-6.3
D901	87-020-125-010	DIODE 1SS181
D903	87-020-027-010	DIODE CHIP 1SS184
D904	87-020-583-010	DIODE,ZENER CHIP 02CZ5.1Y
D905	87-020-027-010	DIODE CHIP 1SS184
D906	87-020-589-010	DIODE,ZENER CHIP 02CZ9.1Y
D907	87-020-584-010	DIODE,ZENER CHIP 02CZ5.6Y
D909	87-020-027-010	DIODE CHIP 1SS184
D910	87-020-027-010	DIODE CHIP 1SS184
D911	87-020-583-010	DIODE,ZENER CHIP 02CZ5.1Y
D912	87-027-365-010	DIODE S5277B
D913	87-020-125-010	DIODE 1SS181
=== DISPLAY CIRCUIT BOARD SECTION ===		
PCB-F	★ *	DISPLAY CIRCUIT BOARD
C801	★87-018-134-010	CAP,CERA-SOL SS 0.01
C803	★87-018-131-010	CAP,CERA-SOL 1000P
D801	★87-001-113-010	LED,TLG124G(INTRO)
D802	★87-001-112-010	LED,TLR124R(TUNER)
D803	★87-001-113-010	LED,TLG124G(MS)
LCD801	★84-440-632-010	LCD
PL801	84-440-627-010	LAMP,16V-38MA
PL803	84-440-642-010	LAMP,9V-50MA
PL804	84-440-642-010	LAMP,9V-50MA

REF.NO.	PART NO. ORDER	DESCRIPTION
S801	87-031-867-010	TACT SW(RESET)
S802	87-031-867-010	TACT SW(MONIT)
VR801	84-440-635-010	VOLUME,SL(PRE FADER)
VR802	84-440-636-010	VOLUME,SL(POWER FADER)
=== STOP SW CIRCUIT BOARD SECTION ===		
PCB-G	★84-440-649-010	STOP CIRCUIT BOARD
D851	87-020-027-010	DIODE,CHIP 1SS184
D852	87-020-027-010	DIODE,CHIP 1SS184
D853	87-020-027-010	DIODE,CHIP 1SS184
D854	87-020-027-010	DIODE,CHIP 1SS184
D855	87-020-027-010	DIODE,CHIP 1SS184
D856	87-020-027-010	DIODE,CHIP 1SS184
D857	★87-001-114-010	LED,GL-3HY4.7,Y
D858	★87-001-114-010	LED,GL-3HY4.7,Y
D859	★87-001-114-010	LED,GL-3HY4.7,Y
D860	★87-001-114-010	LED,GL-3HY4.7,Y
D861	★87-001-114-010	LED,GL-3HY4.7,Y
D862	★87-001-114-010	LED,GL-3HY4.7,Y
D863	★87-001-114-010	LED,GL-3HY4.7,Y
D864	★87-001-114-010	LED,GL-3HY4.7,Y
S851	84-437-608-010	TACT SW(PRESET 1)
S852	84-437-608-010	TACT SW(PRESET 2)
S853	84-437-608-010	TACT SW(PRESET 3)
S854	84-437-608-010	TACT SW(PRESET 4)
S855	84-437-608-010	TACT SW(PRESET 5)
S856	84-437-608-010	TACT SW(PRESET 6)
S857	84-437-608-010	TACT SW(SEEK DOWN)
S858	84-437-608-010	TACT SW(SEEK UP)
S859	84-437-608-010	TACT SW(SCAN UP)
S860	84-437-608-010	TACT SW(BAND)
S861	84-437-608-010	TACT SW(TUNING DOWN)
S862	84-437-608-010	TACT SW(TUNING UP)
S863	84-437-608-010	TACT SW(LOCAL/DX)
S864	84-437-608-010	TACT SW(FM MONO)
S865	84-437-608-010	TACT SW(RADIO)
S866	84-437-608-010	TACT SW(REW)
S867	84-437-608-010	TACT SW(FF)
S868	84-437-608-010	TACT SW(PLAY)
S869	84-437-608-010	TACT SW(EJECT)
S870	84-437-608-010	TACT SW(EJECT)
=== SW CIRCUIT BOARD SECTION ===		
PCB-H	★ *	SW CIRCUIT BOARD
PL802	84-440-627-010	LAMP,16V-38MA
S803	84-437-608-010	TACT SW(INTRO)
S804	84-437-608-010	TACT SW(MS)
S805	84-437-608-010	TACT SW(DOLBY B/C)
S806	84-437-608-010	TACT SW(METAL)
S807	84-437-608-010	TACT SW(MUTE)
=== CD JACK CIRCUIT BOARD SECTION ===		
PCB-I	★ *	CD CIRCUIT BOARD
J801	84-440-630-010	JACK 3.5W/S(CD)
=== TUNER CIRCUIT BOARD SECTION ===		
PCB-J	★84-440-644-010	TUNER MW CIRCUIT BOARD (Y,YZ,YU,YUC)
PCB-J	★84-440-645-010	TUNER LW CIRCUIT BOARD(YL)
=== FM FRONTEND CIRCUIT BOARD SECTION ===		
PCB-K	★84-440-643-010	FM FRONT END
=== VOLUME CIRCUIT BOARD SECTION ===		

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-L	★84-440-633-010	G.EQ BOARD ASSY
D865	★87-001-114-010	LED,GL-3HY4.7,Y
D866	★87-001-114-010	LED,GL-3HY4.7,Y
D867	★87-001-114-010	LED,GL-3HY4.7,Y
D868	★87-001-114-010	LED,GL-3HY4.7,Y

=== MECHA CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-M	★S1-015-076-500	MECHA CIRCUIT BOARD
S901	S1-002-570-400	SLIDE SW(DIRECTION)
S902	S1-005-074-900	LEAF SW(TAPE SET)
S903	S1-005-075-500	LEAF SW(TAPE SET)

=== PHOTO CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-N	★S1-005-061-500	PHOTO BOARD ASSY(W/PCB)

=== MISCELLANEOUS ===

REF.NO.	PART NO. ORDER	DESCRIPTION
	★S1-015-076-600	WIRE,SHIELD
	★84-440-625-010	CORD.1.5C-2V
FP-1	★84-440-638-010	FLEXIBLE LC CIRCUIT BOARD
FP-2	★84-440-612-010	FLEXIBLE FA CIRCUIT BOARD
FP-3	★84-440-650-010	FLEX STOP CIRCUIT BOARD
M901	S3-005-070-500	MOTOR
PH	84-440-647-010	HEAD PH
SOL901	S1-005-071-000	SOLENOID,PL(DIRECTION)
SOL902	S1-005-073-220	SOLENOID,PL(REW)
SOL903	S1-005-073-240	SOLENOID,PL(FF)

Combination circuit board A	**84-440-602-010**
PCB-B	**84-440-604-010**
PCB-C	**84-440-603-010**
Combination circuit board B	**84-440-605-010**
PCB-D	**84-440-606-010**
PCB-E	**84-440-607-010**
Combination circuit board C	**84-440-608-010**
PCB-F	**84-440-611-010**
PCB-H	**84-440-609-010**
PCB-I	**84-440-610-010**

REF.NO. PART NO. ORDER DESCRIPTION

=== IC ===

REF.NO.	PART NO. ORDER	DESCRIPTION
	87-001-115-010	IC,BA338
	87-020-961-010	IC,HA12086NT
	87-020-994-010	IC,LA1145
	87-001-111-010	IC,LA4465
	87-020-999-010	IC,LA4466
	87-001-117-010	IC,LB8555D
	87-020-701-010	IC,M4013
	87-020-096-010	IC,M4066BP
	87-020-710-010	IC,M4071BP
	87-027-895-010	IC,M5218L
	87-020-548-010	IC,M5228P
	87-020-726-010	IC,M5278L56
	87-020-998-010	IC,NJM2904
	87-020-996-010	IC,STK3400A
	87-020-995-010	IC,STK3400B
	87-001-116-010	IC,TA7705F
	87-027-976-010	IC,TC4001BP
	87-001-295-010	IC,TC4013BP
	87-020-428-010	IC,TC4081BP
	87-020-993-010	IC,TC9310N-036
	87-020-997-010	IC,UPD1714G-011

=== TRANSISTOR ===

REF.NO.	PART NO. ORDER	DESCRIPTION
	87-026-228-010	TRANSISTOR,DTA124EK
	87-026-216-010	TRANSISTOR,DTA124ES
	87-026-288-010	TRANSISTOR,DTA143XS
	87-026-311-010	TRANSISTOR,DTB123YS
	87-026-213-010	TRANSISTOR,DTC114YK
	87-026-215-010	TRANSISTOR,DTC114YS
	87-026-236-010	TRANSISTOR,DTC124EK
	87-026-217-010	TRANSISTOR,DTC124ES
	87-026-312-010	TRANSISTOR,DTC314TS
	87-026-313-010	TRANSISTOR,DTC343TS
	87-026-318-010	TRANSISTOR,DTC363EK
	89-209-092-010	TRANSISTOR,2SB909(QR)
	89-209-862-010	TRANSISTOR,2SB986
	87-318-464-010	TRANSISTOR,2SC1846R
	89-318-464-010	TRANSISTOR,2SC1846R,S
	89-324-584-010	TRANSISTOR,2SC2458Y
	89-327-124-010	TRANSISTOR,2SC2712Y
	89-232-654-010	TRANSISTOR,2SC3265Y
	89-333-266-010	TRANSISTOR,2SC3326B
	89-212-252-010	TRANSISTOR,2SD1225(QR)

=== MAIN CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-A	★84-445-601-010	MAIN CIRCUIT BOARD
BAT501	★84-440-623-010	BATTERY,L
BPF1	★87-030-104-010	FILTER BPWB8L (CT-X5200/X5300/Z5200 YL)
C101	★87-018-134-010	CAP,CERA-SOL SS 0.01
C102	★87-018-134-010	CAP,CERA-SOL SS 0.01 (CT-Z5200 YL,YZ)
C103	★87-018-134-010	CAP,CERA-SOL SS 0.01
C104	★87-018-134-010	CAP,CERA-SOL SS 0.01
C105	★87-010-552-010	CAP,ELECT 22-16
C107	★87-010-380-010	CAP,ELECT 47-16 SME
C108	★87-018-104-010	CAP,CERA-SOL SS 10P
C135	★87-018-134-010	CAP,CERA-SOL SS 0.01
C141	★87-010-552-010	CAP,ELECT 22-16(CT-Z5200 YL)
C144	★87-018-119-010	CAP,CERA-SOL SS 100P
C401	★87-010-494-010	CAP,ELECT 1-50
C402	★87-010-494-010	CAP,ELECT 1-50V
C403	★87-010-494-010	CAP,ELECT 1-50V
C404	★87-010-494-010	CAP,ELECT 1-50V

Note **When placing an order for service parts, always enter the parts code number up to the last numeral on the service parts ordering sheet.**

REF.NO.	PART NO. ORDER	DESCRIPTION
C407	★87-010-497-010	CAP,ELECT 4.7-35
C408	★87-010-497-010	CAP,ELECT 4.7-35
C411	★87-010-495-010	CAP,ELECT 2.2-50
C412	★87-010-495-010	CAP,ELECT 2.2-50
C417	★87-010-494-010	CAP,ELECT 1-50
C418	★87-010-494-010	CAP,ELECT 1-50V
C419	★87-010-498-010	CAP,ELECT 10-16
C420	★87-010-498-010	CAP,ELECT 10-16
C421	★87-010-492-010	CAP,ELECT 0.33-50
C422	★87-010-492-010	CAP,ELECT 0.33-50
C423	★87-010-497-010	CAP,ELECT 4.7-35
C424	★87-010-497-010	CAP,ELECT 4.7-35
C425	★87-010-498-010	CAP,ELECT 10-16
C426	★87-010-498-010	CAP,ELECT 10-16
C427	★87-010-263-010	CAP,ELECT 100-10V
C429	★87-010-101-010	CAP,ELECT 220-16 SME
C431	★87-010-248-010	CAP,ELECT 220U-10V SME
C433	★87-010-235-010	CAP,ELECT 470-16
C435	★87-010-075-010	CAP,ELECT 10-16
C437	★87-010-494-010	CAP,ELECT 1-50V
C438	★87-010-494-010	CAP,ELECT 1-50V
C439	★87-010-495-010	CAP,ELECT 2.2-50
C440	★87-010-495-010	CAP,ELECT 2.2-50
C441	★87-010-494-010	CAP,ELECT 1-50
C501	★87-010-248-010	CAP,ELECT 220U-10V SME
C502	★87-018-134-010	CAP,CERA-SOL SS 0.01
C503	★87-010-248-010	CAP,ELECT 220U-10V SME
C506	★87-010-498-010	CAP,ELECT 10-16
C507	★87-018-123-010	CAP,CERA-SOL SS 220P
C509	★87-012-340-010	CAP,ELECT 220-16V
C556	★87-018-134-010	CAP,CERA-SOL SS 0.01
C581	★87-010-497-010	CAP,ELECT 4.7-35
C601	★87-012-340-010	CAP,ELECT 220-16V
C602	★87-012-339-010	CAP,ELECT 0.47U
C604	★87-018-131-010	CAP,CERA-SOL SS 1000P (CT-X5200/X5300/Z5200 Y)
C604	★87-018-134-010	CAP,CERA-SOL SS 0.01 (CT-Z5200 YL,YZ)
C605	★87-010-499-010	CAP,ELECT 22-6.3
C606	★87-012-339-010	CAP,ELECT 0.47U
C608	★87-018-134-010	CAP,CERA-SOL SS 0.01
C609	★87-010-498-010	CAP,ELECT 10-16
C612	★87-018-134-010	CAP,CERA-SOL SS 0.01
C617	★87-012-340-010	CAP,ELECT 220-16V
C632	★87-018-134-010	CAP,CERA-SOL SS 0.01 (CT-X5200/X5300/Z5200 YL,YZ)
CF101	★84-440-613-010	FILTER,CF SFE10.7MS2 (CT-X5200/X5300/Z5200 Y)
CF101	★84-440-646-010	FILTER,CF SFE 10.7M3 (CT-Z5200 YL,YZ)
D101	87-027-584-010	DIODE,ZENER HZ9CIL
D102	87-027-097-010	DIODE 1S1555
D401	87-027-097-010	DIODE 1S1555
D402	87-027-097-010	DIODE 1S1555
D403	87-027-097-010	DIODE 1S1555
D404	87-027-097-010	DIODE 1S1555
D405	87-027-097-010	DIODE 1S1555
D406	87-027-097-010	DIODE 1S1555
D407	87-020-110-010	DIODE 1SS177
D409	87-027-393-010	DIODE,ZENER HZ4C2
D501	87-027-097-010	DIODE 1S1555
D502	87-027-097-010	DIODE 1S1555
D503	87-027-097-010	DIODE 1S1555
D505	87-027-097-010	DIODE 1S1555
D506	87-027-097-010	DIODE 1S1555

REF.NO.	PART NO. ORDER	DESCRIPTION
D507	87-027-097-010	DIODE 1S1555
D508	87-027-097-010	DIODE 1S1555
D509	87-027-097-010	DIODE 1S1555
D510	87-027-097-010	DIODE 1S1555
D511	87-027-097-010	DIODE 1S1555
D512	87-027-097-010	DIODE 1S1555
D513	87-020-110-010	DIODE 1SS177
D516	87-027-097-010	DIODE 1S1555
D517	87-027-097-010	DIODE 1S1555
D518	87-027-097-010	DIODE 1S1555(CT-Z5200 YZ)
D519	87-027-097-010	DIODE 1S1555
D520	87-027-097-010	DIODE 1S1555
D522	87-027-097-010	DIODE 1S1555
D523	87-027-097-010	DIODE 1S1555
D524	87-027-097-010	DIODE 1S1555
D525	87-027-097-010	DIODE 1S1555
D526	87-027-097-010	DIODE 1S1555
D527	87-027-097-010	DIODE 1S1555
D528	87-027-097-010	DIODE 1S1555
D529	87-027-097-010	DIODE 1S1555
D530	87-027-417-010	DIODE,ZENER HZ11AIL
D531	87-027-461-010	DIODE,ZENER HZ9B3
D551	87-027-097-010	DIODE 1S1555
D553	87-027-097-010	DIODE 1S1555 (CT-X5200/X5300/Z5200 Y)
D557	87-027-097-010	DIODE 1S1555(CT-Z5200 Y)
D558	87-027-097-010	DIODE 1S1555(CT-Z5200 Y)
D601	87-027-097-010	DIODE 1S1555
D602	87-027-097-010	DIODE 1S1555
D603	87-027-097-010	DIODE 1S1555
D604	87-027-097-010	DIODE 1S1555
D605	87-027-097-010	DIODE 1S1555
D607	87-027-097-010	DIODE 1S1555
D610	87-027-375-010	DIODE,ZENER HZ-7C3L
DSP201	★84-415-621-010	SURGE PROTECTOR DSP-201M
L101	★87-003-143-010	COIL 4.7MMH
R113	★87-024-090-010	RES,10 1/2W
SW501	84-440-624-010	SLIDE SW(CT-Z5200 Y)
X501	★84-440-657-010	CRYSTAL 4.5M

=== POWER CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-B	★ *	POWER CIRCUIT BOARD
C701	★87-010-495-010	CAP,ELECT 2.2-50
C702	★87-010-495-010	CAP,ELECT 2.2-50
C703	★87-010-178-080	CAP,CHIP 1000P
C704	★87-010-178-080	CAP,CHIP 1000P
C705	★87-010-550-010	CAP,ELECT 6.3-100
C706	★87-010-550-010	CAP,ELECT 6.3-100
C707	★87-010-550-010	CAP,ELECT 6.3-100
C708	★87-010-550-010	CAP,ELECT 6.3-100
C713	★87-010-495-010	CAP,ELECT 2.2-50
C714	★87-010-488-010	CAP,ELECT 2200-16
C715	★87-010-488-010	CAP,ELECT 2200-16
C719	★87-010-181-010	CAP,CHIP S 1800P
C720	★87-010-181-010	CAP,CHIP S 1800P
C723	★87-010-497-010	CAP,ELECT 4.7-35
C724	★87-010-497-010	CAP,ELECT 4.7-35
C727	★87-010-322-010	CAP,CHIP 100P CH
C728	★87-010-322-010	CAP,CHIP 100P CH
C731	★87-010-494-010	CAP,ELECT 1-50V
C732	★87-010-494-010	CAP,ELECT 1-50V
C735	★87-010-494-010	CAP,ELECT 1-50V
C736	★87-010-494-010	CAP,ELECT 1-50V
C737	★87-010-235-010	CAP,ELECT 470-16

REF.NO.	PART NO. ORDER	DESCRIPTION
C738	★87-010-555-010	CAP,ELECT 100-10 SRE
D701	87-027-097-010	DIODE 1S1555
D702	87-027-097-010	DIODE 1S1555

≡ DOLBY CIRCUIT BOARD SECTION ≡

PCB-C	★ *	DOLBY CIRCUIT BOARD
C307	★87-012-338-010	CAP,ELECT 0.68-50
C308	★87-012-338-010	CAP,ELECT 0.68-50
C309	★87-010-495-010	CAP,ELECT 2.2-50
C310	★87-010-495-010	CAP,ELECT 2.2-50
C311	★87-010-101-010	CAP,ELECT 220-16
C313	★87-010-101-010	CAP,ELECT 220-16
C315	★87-010-552-010	CAP,ELECT 22-16
C319	★87-010-494-010	CAP,ELECT 1-50V
C320	★87-010-494-010	CAP,ELECT 1-50V
D301	87-027-365-010	DIODE S5277B
L301	★87-003-154-010	COIL,CHOKE 220UH
L302	★87-003-154-010	COIL,CHOKE 220UH
SFR301	★87-021-864-010	SFR 10K
SFR302	★87-021-864-010	SFR 10K

≡ IF CIRCUIT BOARD SECTION ≡

PCB-D	★ *	IF CIRCUIT BOARD
C151	★87-010-314-010	CAP,CHIP S 22P CH
C152	★87-012-141-010	CAP,CHIP S 0.22
C153	★87-010-182-010	CAP,CHIP 2200P
C155	★87-010-452-010	CAP,CHIP 1U
C156	★87-010-552-010	CAP,ELECT 22-16
C157	★87-010-196-010	CAP,CHIP 0.1
C158	★87-010-494-010	CAP,ELECT 1-50V
C159	★87-010-184-010	CAP,CHIP S 3300P
C160	★87-010-494-010	CAP,ELECT 1-50V
C161	★87-010-316-010	CAP,CHIP S 33P CH
C162	★87-010-497-010	CAP,ELECT 4.7-35
C163	★87-010-551-010	CAP,ELECT 33-10
C164	★87-010-184-010	CAP,CHIP S 3300P
C165	★87-010-193-010	CAP,CHIP 0.033
C167	★87-010-494-010	CAP,ELECT 1-50V
C168	★87-010-551-010	CAP,ELECT 33-10
C169	★87-010-493-010	CAP,ELECT 0.47-50
C170	★87-010-497-010	CAP,ELECT 4.7-35
C171	★87-010-182-010	CAP,CHIP 2200P
C172	★87-010-491-010	CAP,ELECT 0.22-50
C173	★87-010-494-010	CAP,ELECT 1-50V
C174	★87-010-198-010	CAP,CHIP 0.022
C175	★87-010-189-010	CAP,CHIP S 8200P (CT-X5200/X5300)
C175	★87-010-197-010	CAP,CHIP 0.01BK(CT-Z5200)
C176	★87-010-189-010	CAP,CHIP S 8200P (CT-X5200/X5300)
C176	★87-010-197-010	CAP,CHIP 0.01BK(CT-Z5200)
C188	★87-010-196-010	CAP,CHIP 0.1
CF151	★84-440-613-010	FILTER,CF SFE10.7MS2 (CT-X5200/X5300/Z5200 Y)
CF151	★84-440-646-010	FILTER,CF SFE 10.7MS3 (CT-Z5200 YL,YZ)
D151	87-020-110-010	DIODE 1SS177
D152	87-020-027-010	DIODE CHIP 1SS184
D153	87-020-339-010	DIODE CHIP 1SS226
D155	87-020-339-010	DIODE CHIP 1SS226
L151	★87-005-151-010	COIL S 2.2UH
L152	★84-440-615-010	IFT,10.7MHZ DET
SFR151	★87-021-867-010	SFR 47K
SFR152	★87-021-865-010	SFR 22K

REF.NO.	PART NO. ORDER	DESCRIPTION
SFR153	★87-021-867-010	SFR 47K
SFR154	★87-021-867-010	SFR 47K
SFR155	★87-021-860-010	SFR 6.1K
X151	★84-440-614-010	VIBRATOR CERAMIC 456

≡ LOGIC CIRCUIT BOARD SECTION ≡

PCB-E	★ *	LOGIC CIRCUIT BOARD
C901	★87-010-194-010	CAP,CHIP 0.047
C902	★87-010-492-010	CAP,ELECT 0.33-50
C903	★87-010-491-010	CAP,ELECT 0.22-50
C904	★87-010-494-010	CAP,ELECT 1-50V
C905	★87-010-497-010	CAP,ELECT 4.7-35
C906	★87-010-497-010	CAP,ELECT 4.7-35
C907	★87-010-561-010	CAP,ELECT 100-16V
C908	★87-010-553-010	CAP,ELECT 47-16
C909	★87-010-498-010	CAP,ELECT 10-16
C910	★87-010-187-010	CAP,CHIP S 5600P
C911	★87-010-555-010	CAP,ELECT 100-10 SRE
C912	★87-010-561-010	CAP,ELECT 100-16V
C913	★87-010-555-010	CAP,ELECT 100-10 SRE
C914	★87-010-197-010	CAP,CHIP 0.01BK
C915	★87-010-552-010	CAP,ELECT 22-16
C916	★87-010-194-010	CAP,CHIP 0.047
C917	★87-010-197-010	CAP,CHIP 0.01BK
C918	★87-010-552-010	CAP,ELECT 22-16
C919	★87-010-494-010	CAP,ELECT 1-50V
C920	★87-010-561-010	CAP,ELECT 100-16V
C921	★87-010-497-010	CAP,ELECT 4.7-35
C922	★87-010-497-010	CAP,ELECT 4.7-35
C923	★87-010-197-010	CAP,CHIP 0.01BK
C924	★87-010-197-010	CAP,CHIP 0.01BK
C925	★87-010-553-010	CAP,ELECT 47-16
C926	★87-010-553-010	CAP,ELECT 47-16
C927	★87-010-175-010	CAP,CHIP S 560P SL
C928	★87-010-175-010	CAP,CHIP S 560P SL
C929	★87-010-175-010	CAP,CHIP S 560P SL
C930	★87-010-175-010	CAP,CHIP S 560P SL
C931	★87-010-552-010	CAP,ELECT 22-16
C932	★87-010-197-010	CAP,CHIP 0.01BK
C933	★87-010-197-010	CAP,CHIP 0.01BK
C934	★87-010-549-010	CAP,ELECT 47-6.3
D901	87-020-125-010	DIODE 1SS181
D903	87-020-027-010	DIODE CHIP 1SS184
D904	87-020-583-010	DIODE,ZENER CHIP 02CZ5.1Y
D905	87-020-027-010	DIODE CHIP 1SS184
D906	87-020-589-010	DIODE,ZENER CHIP 02CZ 9.1Y
D907	87-020-584-010	DIODE,ZENER CHIP 02CZ5.6Y
D909	87-020-027-010	DIODE CHIP 1SS184
D910	87-020-027-010	DIODE CHIP 1SS184
D911	87-020-583-010	DIODE,ZENER CHIP 02CZ5.1Y
D912	87-027-365-010	DIODE S5277B
D913	87-020-125-010	DIODE 1SS181

≡ DISPLAY CIRCUIT BOARD SECTION ≡

PCB-F	★ *	DISPLAY CIRCUIT BOARD
C801	★87-018-134-010	CAP,CERA-SOL SS 0.01
C803	★87-018-131-010	CAP,CERA-SOL 1000P
D801	★87-001-113-010	LED TLG124G(INTRO)
D802	★87-001-112-010	LED TLR124R(TUNER)
D803	★87-001-113-010	LED TLG124G(MS)
LCD801	★84-445-607-010	LCD 4
PL801	84-440-627-010	LAMP 16V-38MA
PL803	84-440-642-010	LAMP 9V-50MA
PL804	84-440-642-010	LAMP 9V-50MA

REF.NO.	PART NO. ORDER	DESCRIPTION
S801	87-031-867-010	TACT SW(RESET)
S802	87-031-867-010	TACT SW(MONIT)
VR801	84-440-635-010	VOLUME,SL(PRE FADER)
VR802	84-440-636-010	VOLUME,SL(POWER FADER)

=== STOP SW CIRCUIT BOARD ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-G	★84-440-649-010	STOP SW CIRCUIT BOARD
D851	87-020-027-010	DIODE CHIP 1SS184
D852	87-020-027-010	DIODE CHIP 1SS184
D853	87-020-027-010	DIODE CHIP 1SS184
D854	87-020-027-010	DIODE CHIP 1SS184
D855	87-020-027-010	DIODE CHIP 1SS184
D856	87-020-027-010	DIODE CHIP 1SS184
D857	★87-001-114-010	LED GL-3HY4.7Y
D858	★87-001-114-010	LED GL-3HY4.7Y
D859	★87-001-114-010	LED GL-3HY4.7Y
D860	★87-001-114-010	LED GL-3HY4.7Y
D861	★87-001-114-010	LED GL-3HY4.7Y
D862	★87-001-114-010	LED GL-3HY4.7Y
D863	★87-001-114-010	LED GL-3HY4.7Y
D864	★87-001-114-010	LED GL-3HY4.7Y
S851	84-437-608-010	TACT SW(PRESET 1)
S852	84-437-608-010	TACT SW(PRESET 2)
S853	84-437-608-010	TACT SW(PRESET 3)
S854	84-437-608-010	TACT SW(PRESET 4)
S855	84-437-608-010	TACT SW(PRESET 5)
S856	84-437-608-010	TACT SW(PRESET 6)
S857	84-437-608-010	TACT SW(SEEK DOWN)
S858	84-437-608-010	TACT SW(SEEK UP)
S859	84-437-608-010	TACT SW(SCAN UP)
S860	84-437-608-010	TACT SW(BAND)
S861	84-437-608-010	TACT SW(TUNING DOWN)
S862	84-437-608-010	TACT SW(TUNING UP)
S863	84-437-608-010	TACT SW(LOCAL/DX)
S864	84-437-608-010	TACT SW(FM MONO)
S865	84-437-608-010	TACT SW(RADIO)
S866	84-437-608-010	TACT SW(REW)
S867	84-437-608-010	TACT SW(FF)
S868	84-437-608-010	TACT SW(PLAY)
S869	84-437-608-010	TACT SW(EJECT)
S870	84-437-608-010	TACT SW(EJECT)

=== SW CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-H	★ *	SW CIRCUIT BOARD
PL802	84-440-627-010	LAMP 16V-38MA
S803	84-437-608-010	TACT SW(INTRO)
S804	84-437-608-010	TACT SW(MS)
S805	84-437-608-010	TACT SW(DOLBY)
S806	84-437-608-010	TACT SW(METAL)
S807	84-437-608-010	TACT SW(DSL)

=== CD JACK CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-I	★ *	CD CIRCUIT BOARD
J801	84-440-630-010	JACK 3.5W/S(CD)

=== TUNER CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-J	★84-440-644-010	TUNER MW CIRCUIT BOARD (CT-X5200/X5300/Z5200 Y,YZ)
PCB-J	★84-440-645-010	TUNER LW CIRCUIT BOARD (CT-Z5200 YL)

=== FM FRONTEND CIRCUIT BOARD SECTION ==

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-K	★84-440-643-010	FM FRONT END

=== VOLUME SIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-L	★84-445-605-010	VOLUME BOARD ASSY
D865	★87-001-114-010	LED GL-3HY4.7Y
D866	★87-001-114-010	LED GL-3HY4.7Y
D867	★87-001-114-010	LED GL-3HY4.7Y
D868	★87-001-114-010	LED GL-3HY4.7Y

=== MECHA CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-M	★S1-015-076-500	MECHA CIRCUIT BOARD
S901	S1-002-570-400	SLIDE SW(DIRECTION)
S902	S1-005-074-900	LEAF SW(TAPE SET)
S903	S1-005-075-500	LEAF SW(TAPE SET)

=== PHOTO CIRCUIT BOARD SECTION ===

REF.NO.	PART NO. ORDER	DESCRIPTION
PCB-N	★S1-005-061-500	PHOTO BOARD ASSY(W/PCB)

=== MISCELLANEOUS ===

REF.NO.	PART NO. ORDER	DESCRIPTION
	★S1-015-076-600	WIRE,SHIELD
	★84-441-603-010	RCA CARD ASSY(CT-X5200/Z5200)
	★84-441-604-010	ANT CARD ASSY
FP-1	★84-440-638-010	FLEXIBLE LC CIRCUIT BOARD
FP-2	★84-440-612-010	FLEXIBLE FA CIRCUIT BOARD
FP-3	★84-440-650-010	FLEX STOP CIRCUIT BOARD
M901	S3-005-070-500	MOTOR
PH	S3-005-079-600	HEAD PH (CT-X5200/Z5200/X5300)
SOL901	S1-005-071-000	SOLENOID,PL(DIRECTION)
SOL902	S1-005-073-220	SOLENOID,PL(REW)
SOL903	S1-005-073-240	SOLENOID,PL(FF)

Combination circuit board A	**84-445-602-010**
PCB-B	**84-445-604-010**
PCB-C	**84-445-603-010**

Combination circuit board B	**84-440-605-010**
PCB-D	**84-440-606-010**
PCB-E	**84-440-607-010**

Combination circuit board C	**84-440-608-010**
PCB-F	**84-440-611-010**
PCB-H	**84-440-609-010**
PCB-I	**84-440-610-010**

Note When placing an order for service parts, always enter the parts code number up to the last numeral on the service parts ordering sheet.

PRACTICAL SERVICE FIGURE

〈RADIO SECTION〉

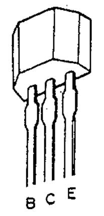
Sensitivity:

(IHF, THD 3%)	FM 2±5dB	(at 97.9MHz)
	5±5dB(YL,YZ)	
(S/N 20dB)	MW 31±5dB	(at 999KHz)
		(at 1000KHz) (YU)
(S/N 20dB)	LW 38±5dB	(at 200Hz) (YL)

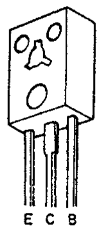
Intermediate frequency:	FM 10.7MHz	
	MW 450KHz	
	LW 450KHz	
FM Separation:	26±9dB	(at 97.9MHz)

〈TAPE PLAYER SECTION〉

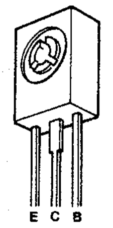
Take-up torque:	55±20g-cm
FF/REW torque:	95±35g-cm



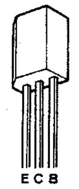
DTA124ES
DTA143XS
DTB123YS
DTC114YS
DTC124ES
DTC314TS
DTC343TS



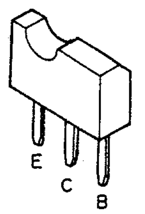
2SB986



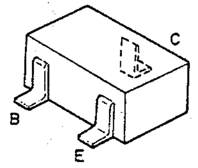
2SC1846



2SC2458

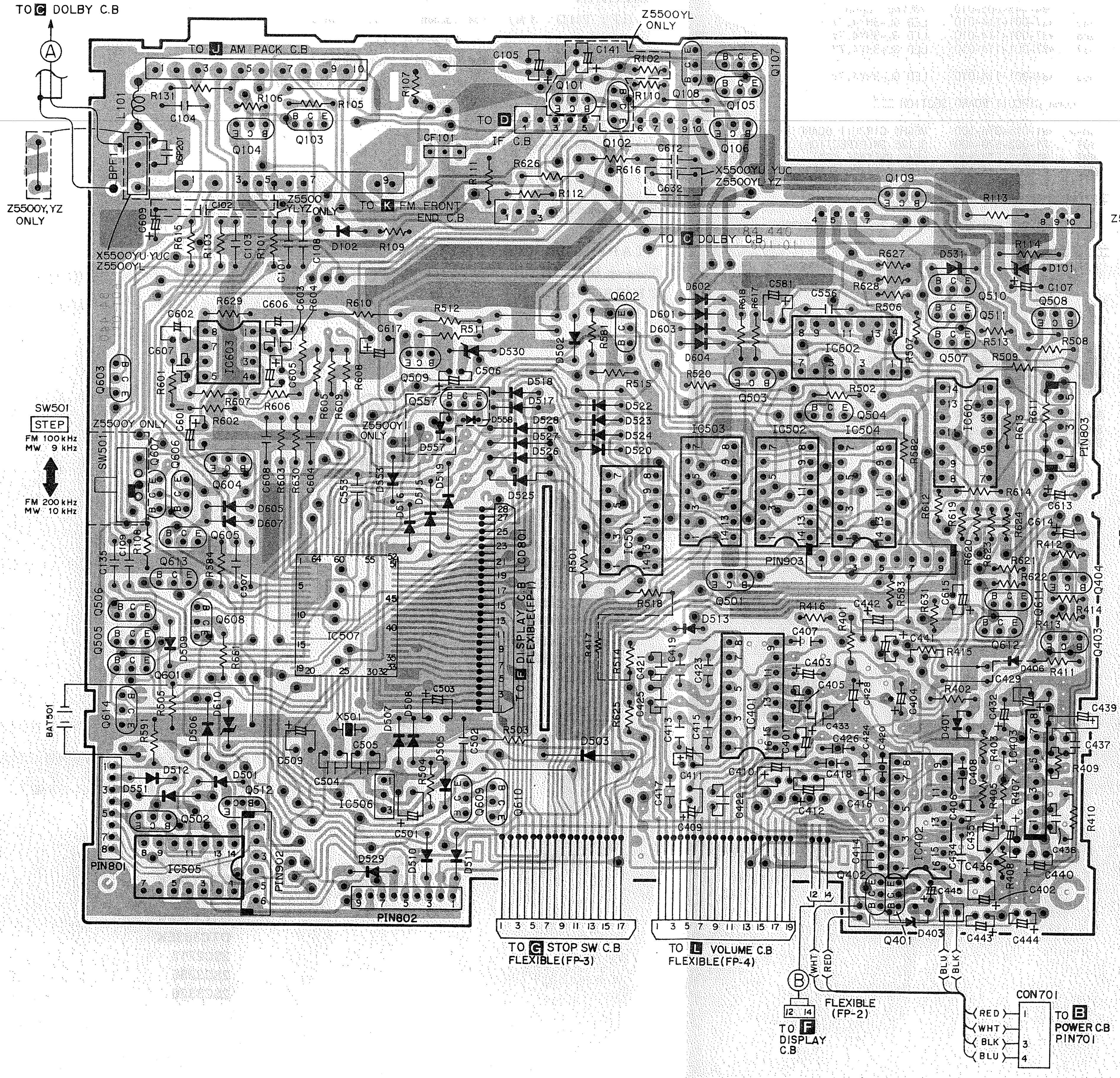


2SB909
2SD1225

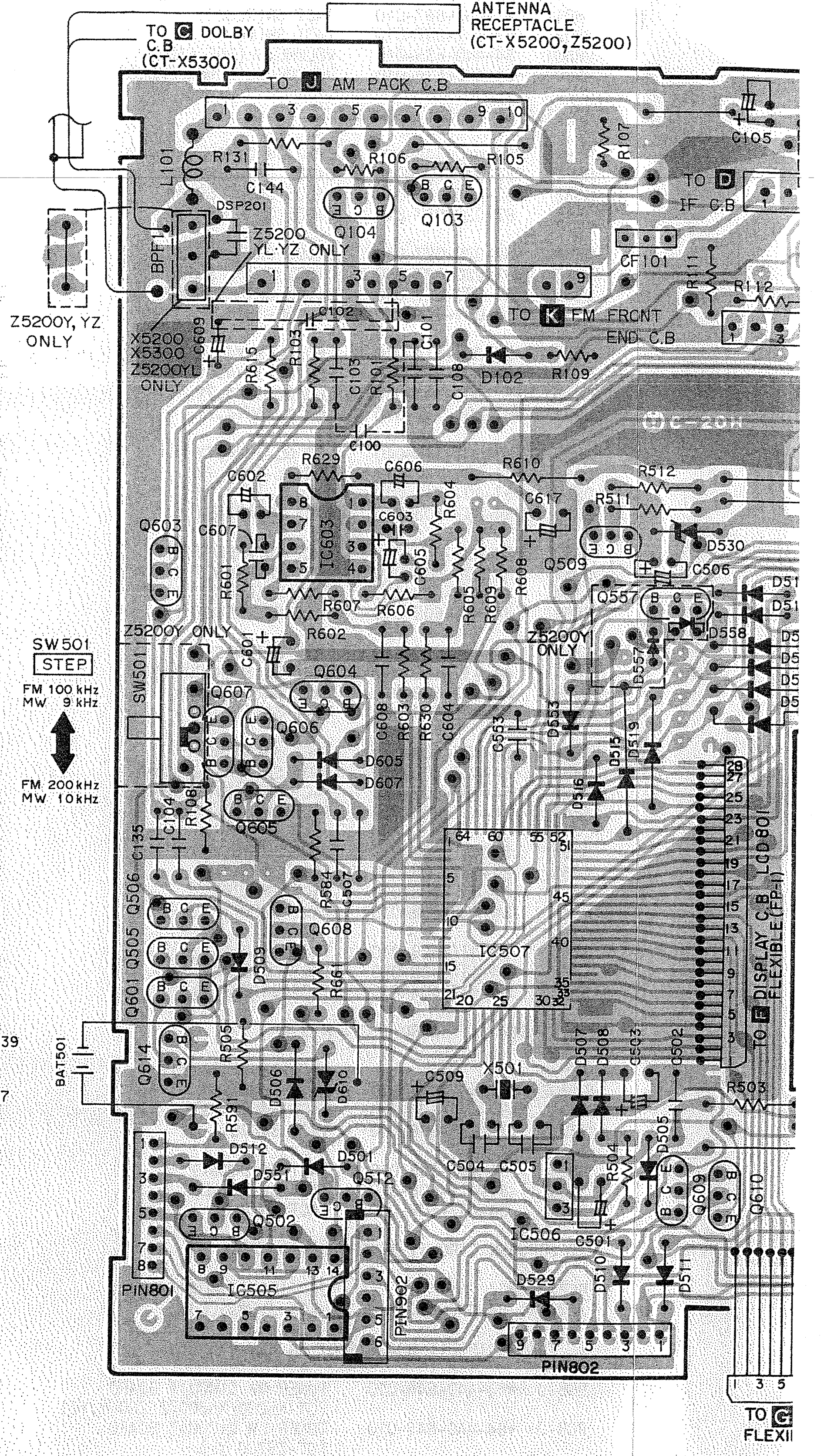


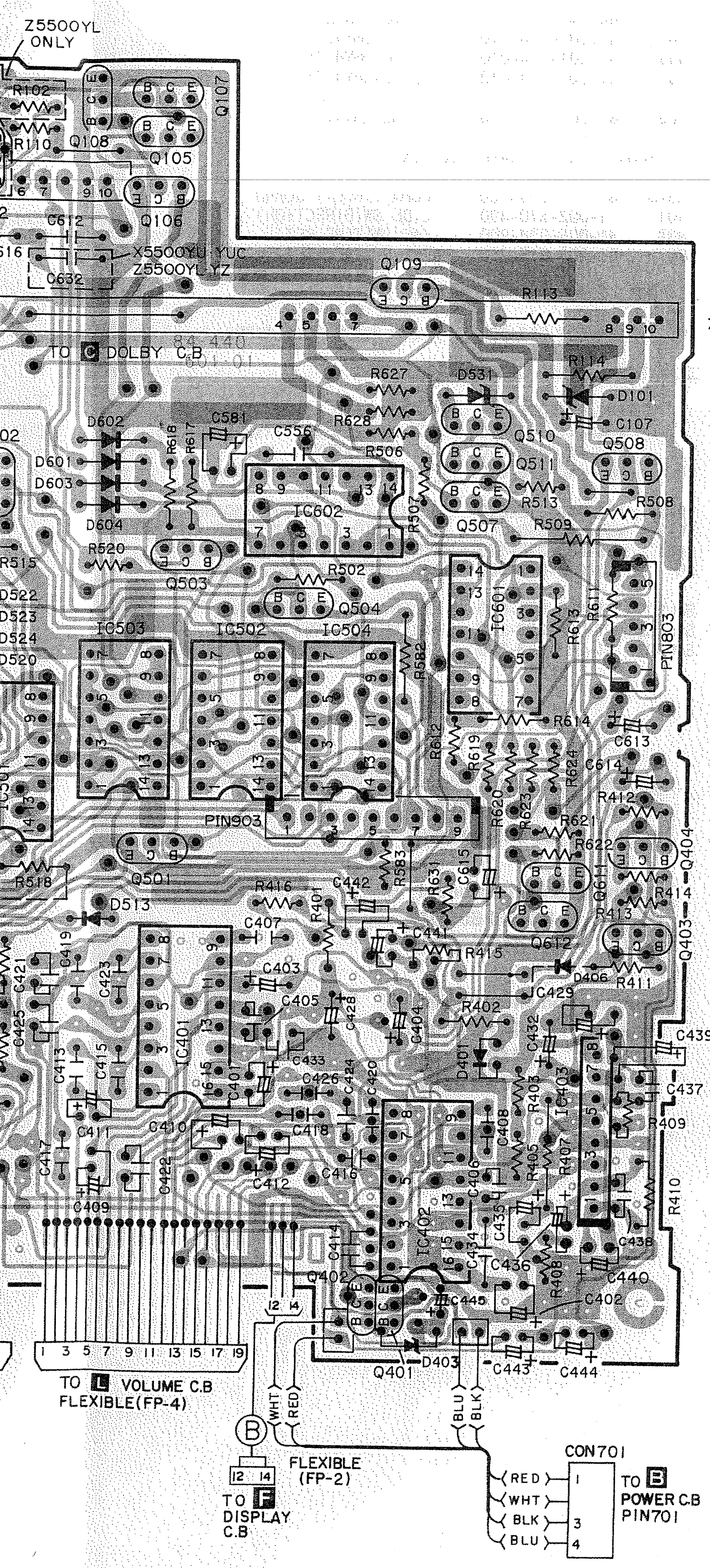
DTA114EK
DTA124EK
DTC114YK
DTC124EK
DTC363EK
2SC2712
2SC3265
2SC3326

A MAIN C.B (CT-X5500, Z5500)

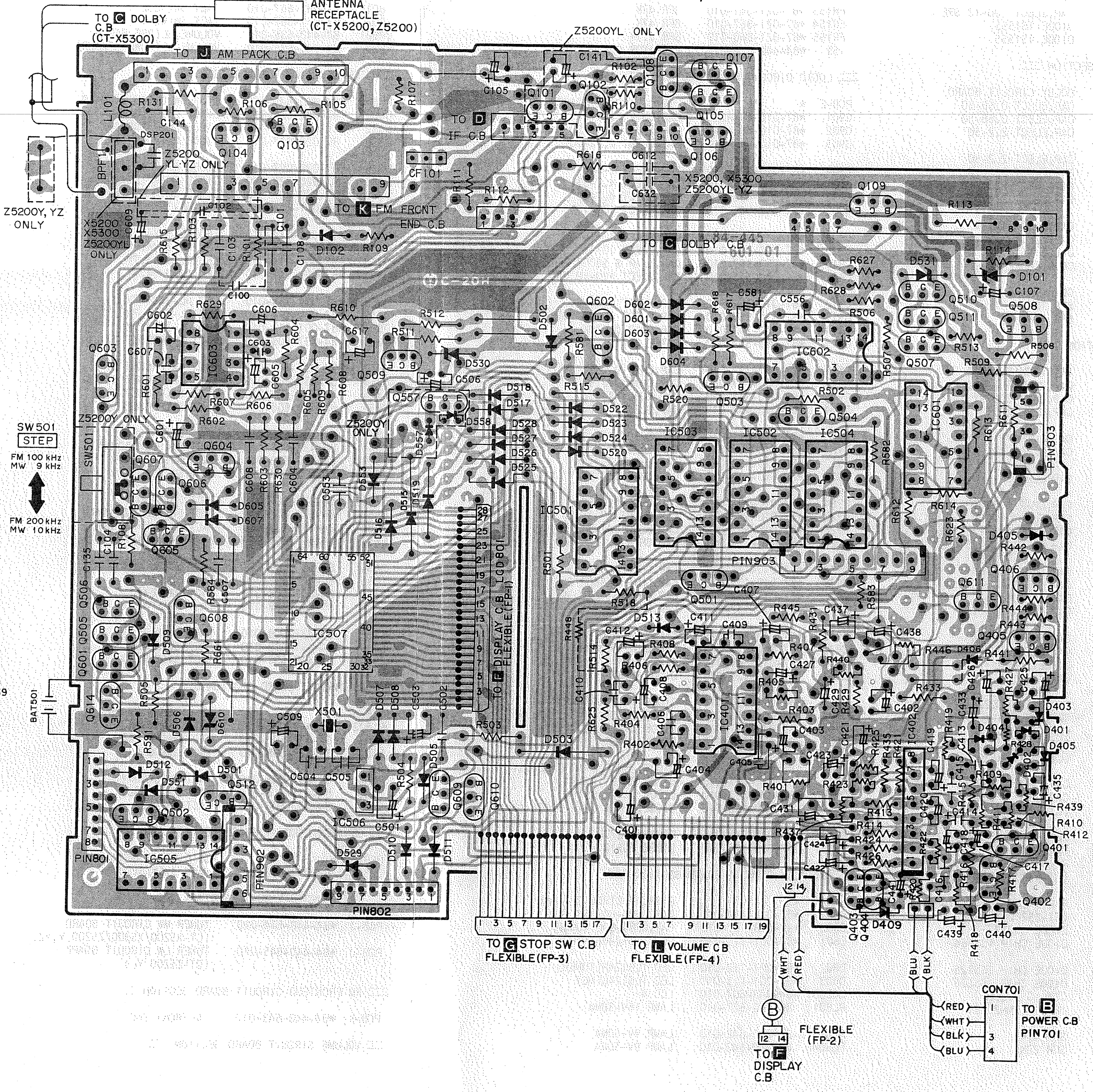

TO C DOLBY C.B
A
Z5500YL ONLY
TO J AM PACK C.B
TO D IF C.B
TO K FM FRONT END C.B
TO C DOLBY C.B
X5500YU·YUC Z5500YL·YZ
Z5500Y, YZ ONLY
X5500YU·YUC Z5500YL
Z5500 YL·YZ ONLY
SW501
STEP
FM 100kHz MW 9kHz
FM 200kHz MW 10kHz
Z5500Y ONLY
Z5500Y ONLY
TO F DISPLAY C.B FLEXIBLE(FP-1)
LCD801
IC507
IC505
IC506
IC401
IC402
IC403
IC501
IC502
IC503
IC504
IC601
IC602
IC603
BAT501
X501
PIN801
PIN802
PIN902
PIN903
PIN803
TO G STOP SW C.B FLEXIBLE(FP-3)
TO L VOLUME C.B FLEXIBLE(FP-4)
B
WHT
RED
TO F DISPLAY C.B
FLEXIBLE (FP-2)
BLU
BLK
CON701
RED
WHT
BLK
BLU
TO B POWER C.B PIN701

A MAIN C.B (CT-X5200, Z52

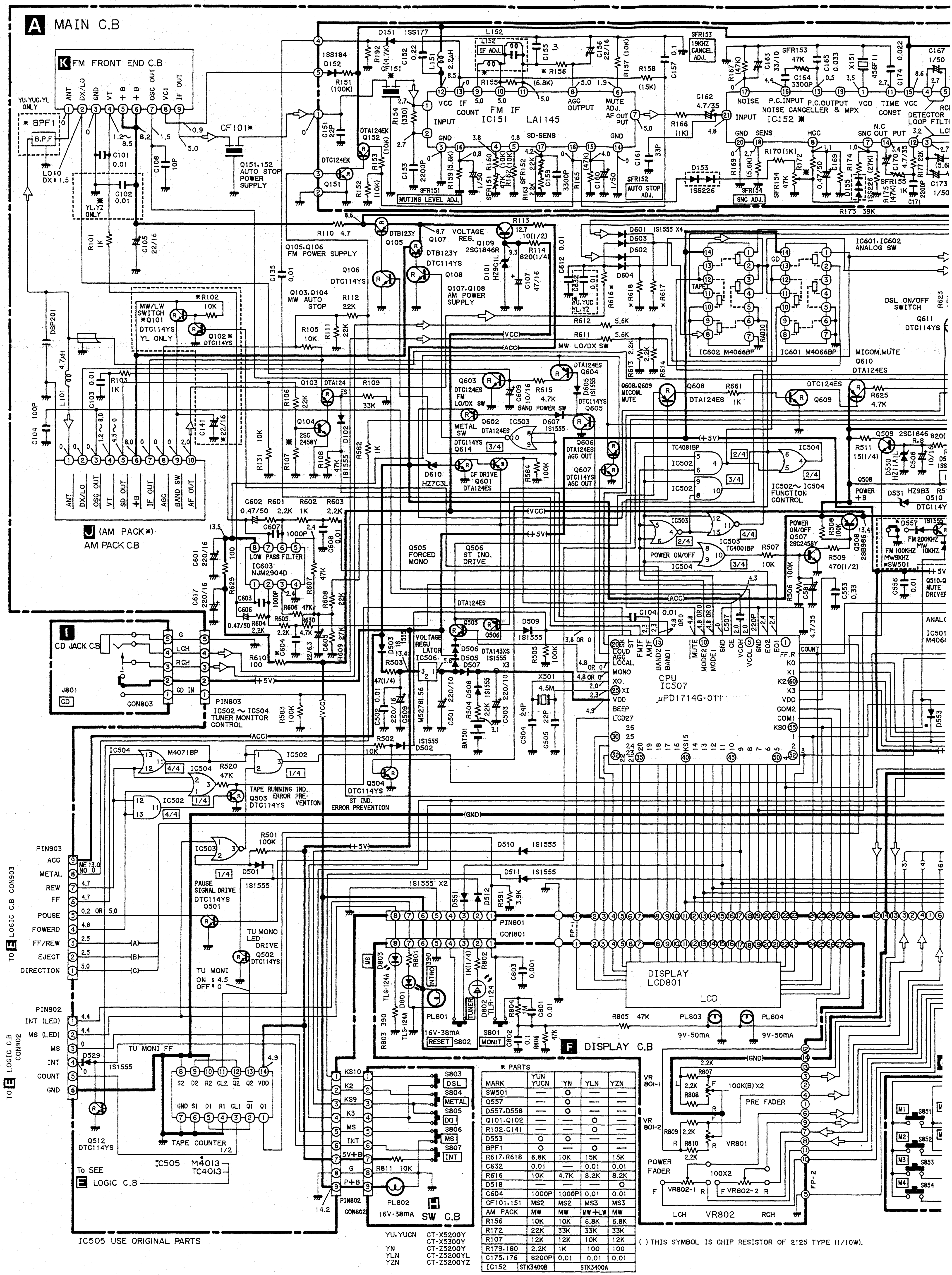

ANTENNA RECEPTACLE (CT-X5200, Z5200)
TO C DOLBY C.B (CT-X5300)
TO J AM PACK C.B
TO D IF C.B
Z5200 YL·YZ ONLY
Z5200Y, YZ ONLY
TO K FM FRONT END C.B
X5200 X5300 Z5200YL ONLY
SW501
STEP
FM 100kHz MW 9kHz
FM 200kHz MW 10kHz
Z5200Y ONLY
Z5200Y ONLY
TO F DISPLAY C.B FLEXIBLE(FP-1)
LCD801
IC507
IC505
IC506
IC603
BAT501
X501
PIN801
PIN802
PIN902
TO G


8
9
10
11
Z5500YL ONLY
X5500YU YUC
Z5500YL YZ
TO C DOLBY C.B
IC503
IC502
IC504
IC601
IC602
IC401
IC402
IC403
PIN903
PIN803
TO L VOLUME C.B FLEXIBLE (FP-4)
1 3 5 7 9 11 13 15 17 19
B
12 14
TO F DISPLAY C.B
WHT
RED
FLEXIBLE (FP-2)
BLU
BLK
CON701
RED
WHT
BLK
BLU
1
3
4
TO B POWER C.B PIN701

A MAIN C.B (CT-X5200, Z5200, X5300)


12
13
14
15
16
17
18
19
20
21
22
TO C DOLBY C.B (CT-X5300)
ANTENNA RECEPTACLE (CT-X5200, Z5200)
TO J AM PACK C.B
Z5200YL ONLY
TO D IF C.B
Z5200 YL YZ ONLY
Z5200Y, YZ ONLY
X5200 X5300 Z5200YL ONLY
TO K FM FRONT END C.B
X5200, X5300
Z5200YL YZ
TO C DOLBY C.B
SW501
STEP
FM 100 kHz
MW 9 kHz
FM 200 kHz
MW 10 kHz
Z5200Y ONLY
Z5200YL ONLY
IC507
IC603
IC501
IC503
IC502
IC504
IC601
IC602
IC401
IC402
IC505
TO F DISPLAY C.B LCD801 FLEXIBLE (FP-1)
PIN903
PIN803
PIN801
PIN802
PIN902
BAT501
X501
TO G STOP SW C.B FLEXIBLE (FP-3)
1 3 5 7 9 11 13 15 17
TO L VOLUME C.B FLEXIBLE (FP-4)
1 3 5 7 9 11 13 15 17 19
B
12 14
TO F DISPLAY C.B
WHT
RED
FLEXIBLE (FP-2)
BLU
BLK
CON701
RED
WHT
BLK
BLU
1
3
4
TO B POWER C.B PIN701

SCHEMATIC DIAGRAM－1 (CT－X5200／Z5200／X5300)

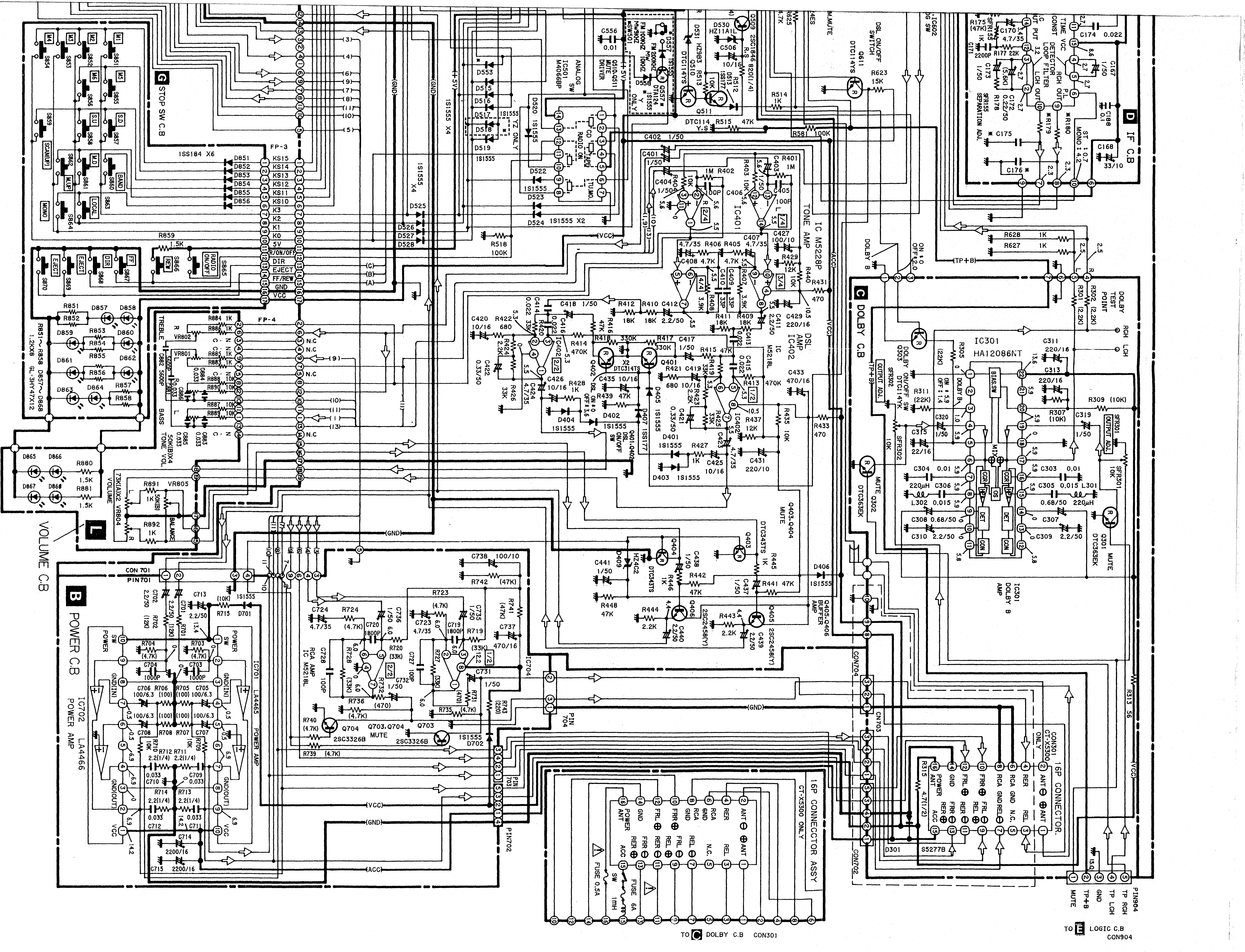

A MAIN C.B
K FM FRONT END C.B
J (AM PACK＊) AM PACK C.B
I CD JACK C.B
F DISPLAY C.B
H SW C.B
FM IF IC151 LA1145
NOISE CANCELLER & MPX IC152 ＊
CPU IC507 μPD1714G-011
IC601, IC602 ANALOG SW
DISPLAY LCD801
LOW PASS FILTER IC603 NJM2904D
TO E LOGIC C.B CON903
TO E LOGIC C.B CON902
To SEE E LOGIC C.B
IC505 M4013 TC4013
TAPE COUNTER
VR801 PRE FADER
VR802 POWER FADER
IC505 USE ORIGINAL PARTS

＊ PARTS

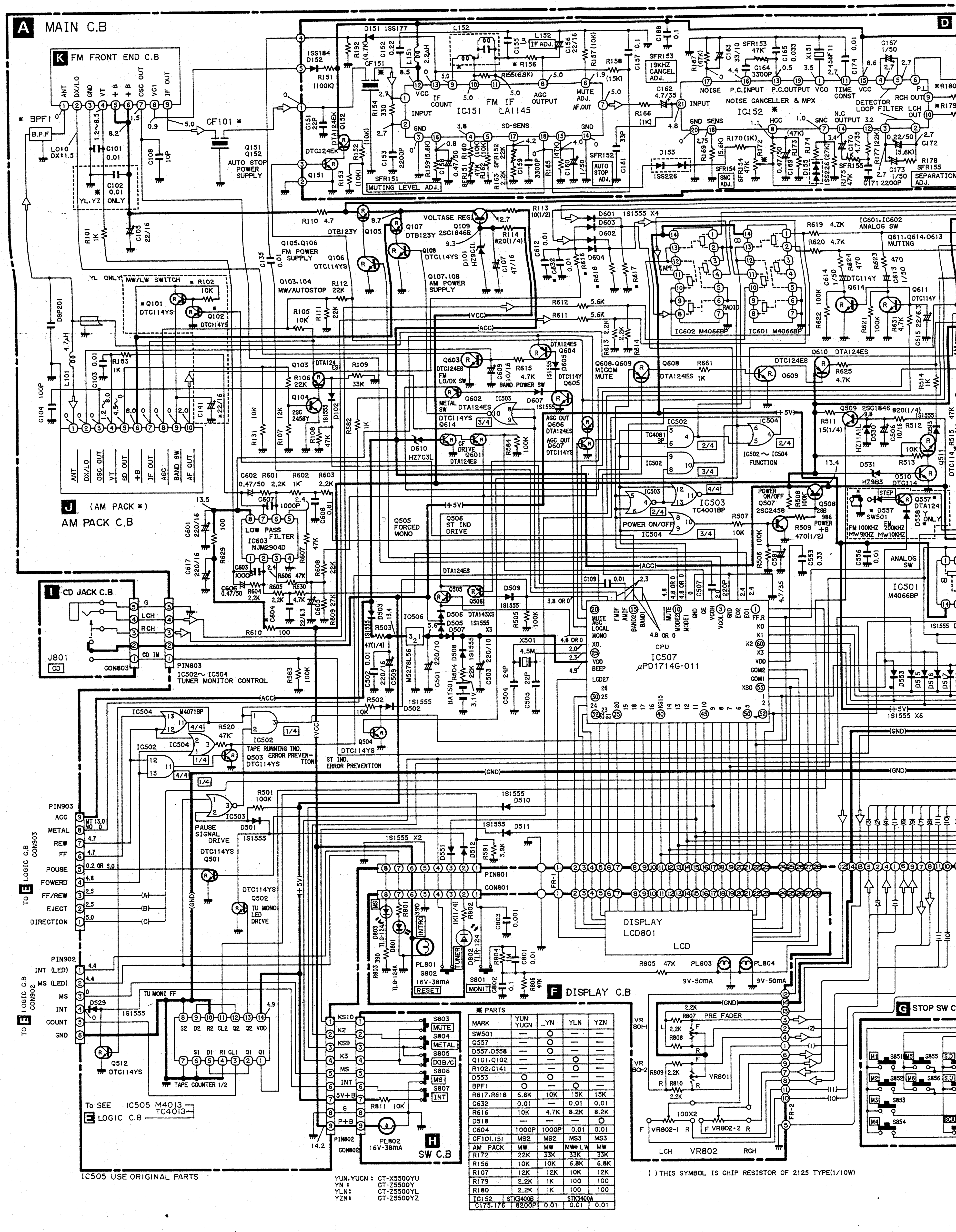
MARK	YUN YUCN	YN	YLN	YZN
SW501	—	○	—	—
Q557	—	○	—	—
D557.D558	—	○	—	—
Q101.Q102	—	—	○	—
R102.C141	—	—	○	—
D553	○	○	—	—
BPF1	○	—	○	—
R617.R618	6.8K	10K	15K	15K
C632	0.01	—	0.01	0.01
R616	10K	4.7K	8.2K	8.2K
D518	—	—	—	○
C604	1000P	1000P	0.01	0.01
CF101.151	MS2	MS2	MS3	MS3
AM PACK	MW	MW	MW+LW	MW
R156	10K	10K	6.8K	6.8K
R172	22K	33K	33K	33K
R107	12K	12K	10K	12K
R179.180	2.2K	1K	100	100
C175.176	8200P	0.01	0.01	0.01
IC152	STK3400B	STK3400A		

YU.YUCN	CT-X5200Y CT-X5300Y
YN	CT-Z5200Y
YLN	CT-Z5200YL
YZN	CT-Z5200YZ

( ) THIS SYMBOL IS CHIP RESISTOR OF 2125 TYPE (1/10W).


G STOP SW C.B
L VOLUME C.B
B POWER C.B
IC701 LA4465 POWER AMP
IC702 LA4466 POWER AMP
IC704 M5218L RCA AMP
Q703,Q704 MUTE
D IF C.B
C DOLBY C.B
IC301 HA12086NT
IC301 DOLBY B AMP
IC401 M5228P TONE AMP
IC402 M5218L DSL AMP
IC501 M4066BP ANALOG SW
Q510,Q511 MUTE DRIVER
Q405,Q406 BUFFER AMP
Q403,Q404 MUTE
DSL ON/OFF SWITCH
16P CONNECTOR ASSY CT-X5300 ONLY
16P CONNECTOR CT-X5300 ONLY
TO C DOLBY C.B CON301
TO E LOGIC C.B CON904
FUSE 0.5A
FUSE 6A

SCHEMATIC DIAGRAM－2 (CT－X5500／Z5500)

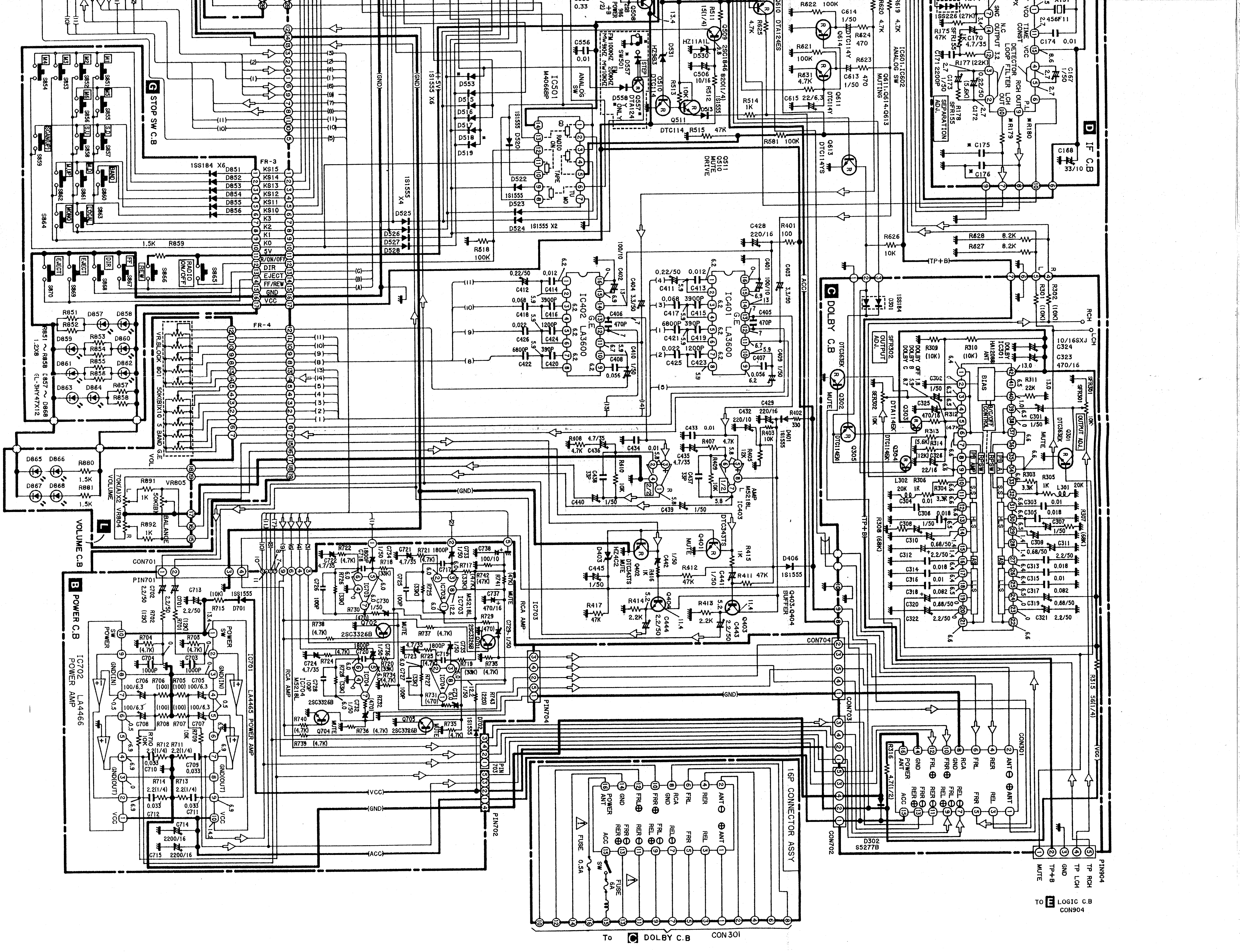

A MAIN C.B
K FM FRONT END C.B
J AM PACK C.B
(AM PACK *)
I CD JACK C.B
F DISPLAY C.B
H SW C.B
G STOP SW C
E LOGIC C.B
D
IC151 FM IF LA1145
IC152 * NOISE CANCELLER & MPX
IC507 CPU μPD1714G-011
IC603 LOW PASS FILTER NJM2904D
IC501 M4066BP
IC601, IC602 ANALOG SW
IC602 M4066BP
IC601 M4066BP
IC503 TC4001BP
IC504 M4071BP
IC502 TC4081BP
IC506 M5278L56
DISPLAY LCD801
LCD
VOLTAGE REG.
AUTO STOP POWER SUPPLY
FM POWER SUPPLY
AM POWER SUPPLY
MW/LW SWITCH
MW/AUTOSTOP
TAPE RUNNING IND. ERROR PREVENTION
ST IND. ERROR PREVENTION
PAUSE SIGNAL DRIVE
TU MONO LED DRIVE
TAPE COUNTER 1/2
PRE FADER
VR802
LCH
RCH
TUNER MONITOR CONTROL
MICOM MUTE
FORCED MONO
ST IND DRIVE
POWER ON/OFF
MUTING LEVEL ADJ.
SEPARATION ADJ.
19KHZ CANCEL ADJ.
IF ADJ.
AUTO STOP ADJ.
SNC ADJ.
To SEE IC505 M4013 — TC4013 E LOGIC C.B
IC505 USE ORIGINAL PARTS

YUN.YUCN : CT-X5500YU
YN : CT-Z5500Y
YLN : CT-Z5500YL
YZN : CT-Z5500YZ

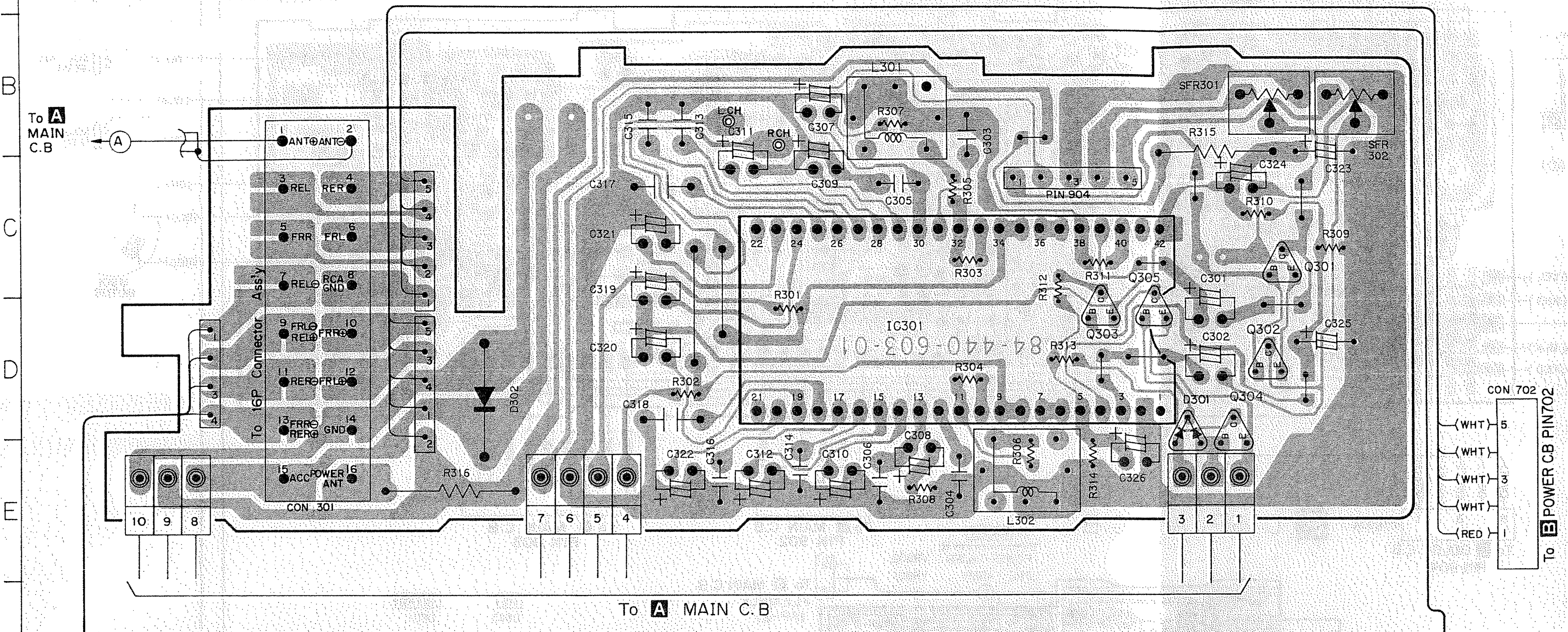
( ) THIS SYMBOL IS CHIP RESISTOR OF 2125 TYPE(1/10W)

※ PARTS

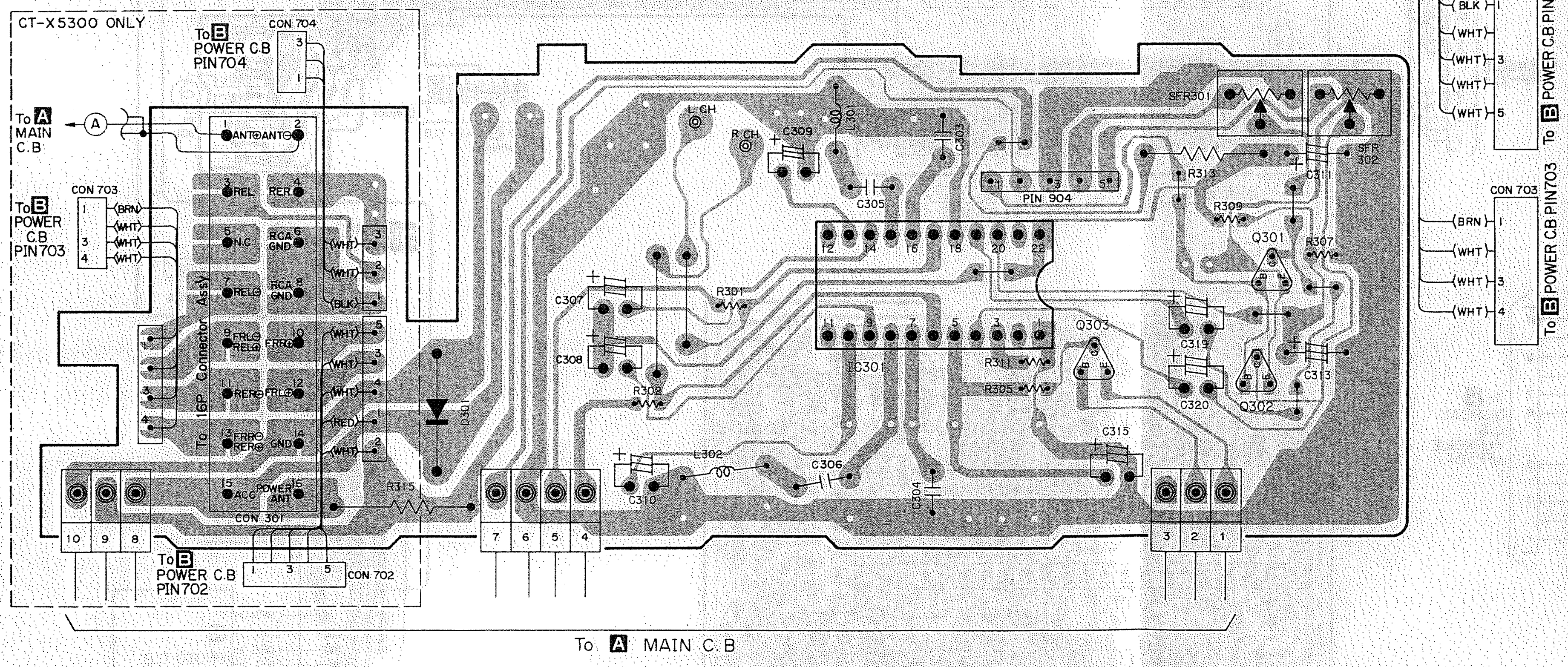
MARK	YUN YUCN	YN	YLN	YZN
SW501	—	○	—	—
Q557	—	○	—	—
D557, D558	—	○	—	—
Q101, Q102	—	—	○	—
R102, C141	—	—	○	—
D553	○	○	—	—
BPF1	○	—	○	—
R617, R618	6.8K	10K	15K	15K
C632	0.01	—	0.01	0.01
R616	10K	4.7K	8.2K	8.2K
D518	—	—	—	○
C604	1000P	1000P	0.01	0.01
CF101, 151	MS2	MS2	MS3	MS3
AM PACK	MW	MW	MW+LW	MW
R172	22K	33K	33K	33K
R156	10K	10K	6.8K	6.8K
R107	12K	12K	10K	12K
R179	2.2K	1K	100	100
R180	2.2K	1K	100	100
IC152	STK3400B	STK3400A		
C175, 176	8200P	0.01	0.01	0.01


TYPE(1/10W)
G STOP SW C.B
FR-3
FR-4
1SS184 X6
D851
D852
D853
D854
D855
D856
KS15
KS14
KS13
KS12
KS11
KS10
K3
K2
K1
K0
5V
R/ON/OFF
DIR
EJECT
FF/REW
GND
VCC
R859
1.5K
EJECT
DIR
FF
REW
RADIO ON/OFF
S865
S866
S867
S868
S869
S870
SCAN(UP)
MONO
LOCAL
BAND
R851～R858 1.2K
D857～D868 (L-3HY47X12)
VR BLOCK 801
50K(B)X10
5 BAND G.E
VOL
D865
D866
D867
D868
R880 1.5K
R881 1.5K
R891 1K
R892 1K
VR805
VR804
70K(A)X2
VOLUME
BALANCE
L VOLUME C.B
CON701
PIN701
B POWER C.B
IC702 POWER AMP LA4466
IC701 LA4465 POWER AMP
SW POWER
GND(IN)
GND(OUT)
VCC
IC703 M5218L RCA AMP
IC704 M5218L RCA AMP
Q702 2SC3326B
Q703 2SC3326B
Q704 2SC3326B
MUTE
D701 1SS155
D702
PIN702
PIN703
PIN704
(VCC)
(GND)
(ACC)
IC501 M4066BP
ANALOG SW
RADIO ON
TAPE
TU
MO
1S1555 X6
1S1555 X4
1S1555 X2
D520
D522
D523
D524
D525
D526
D527
D528
R518 100K
IC402 LA3600 G.E
IC401 LA3600 G.E
IC403 M5218L AMP
Q403,Q404 BUFFER
Q401 DTC343TS MUTE
Q402 DTC343TS MUTE
D403 HZ4C2
D406 1S1555
Q509 2SC1846
Q510 DTC114
Q511
Q613 DTC114YS
Q611,Q614,Q613 MUTING
Q510 Q511 MUTE DRIVE
IC601,IC602 ANALOG SW
D IF C.B
RCH OUT
LCH OUT
SEPARATION ADJ.
DETECTOR
PLL
C DOLBY C.B
IC301 HA12088 DOLBY IC
BIAS
B/C/OFF CONTROL
PB AMP
SFR301 OUTPUT ADJ.
SFR302 OUTPUT ADJ.
Q301 DTC363EK MUTE
Q302 DTC363EK MUTE
Q303 DTA114EK
Q304 DTC114EK
Q305 DTC114EK
D301 1SS184
(TP+B)
R301 (10K)
R302 (10K)
RCH
LCH
CON702
CON703
CON704
CON301
D302 S5277B
R315 56(1/4)
R316 4.7(1/2)
POWER ANT
GND
FRR ⊕
FRL ⊕
FRR ⊖
FRL ⊖
RER ⊕
REL ⊕
RER ⊖
REL ⊖
ANT ⊖
ANT ⊕
ACC
RCA GND
PIN904
TP RCH
TP LCH
TP+B
MUTE
TO E LOGIC C.B CON904
16P CONNECTOR ASSY
FUSE 0.5A
FUSE 6A
SW
To C DOLBY C.B CON301

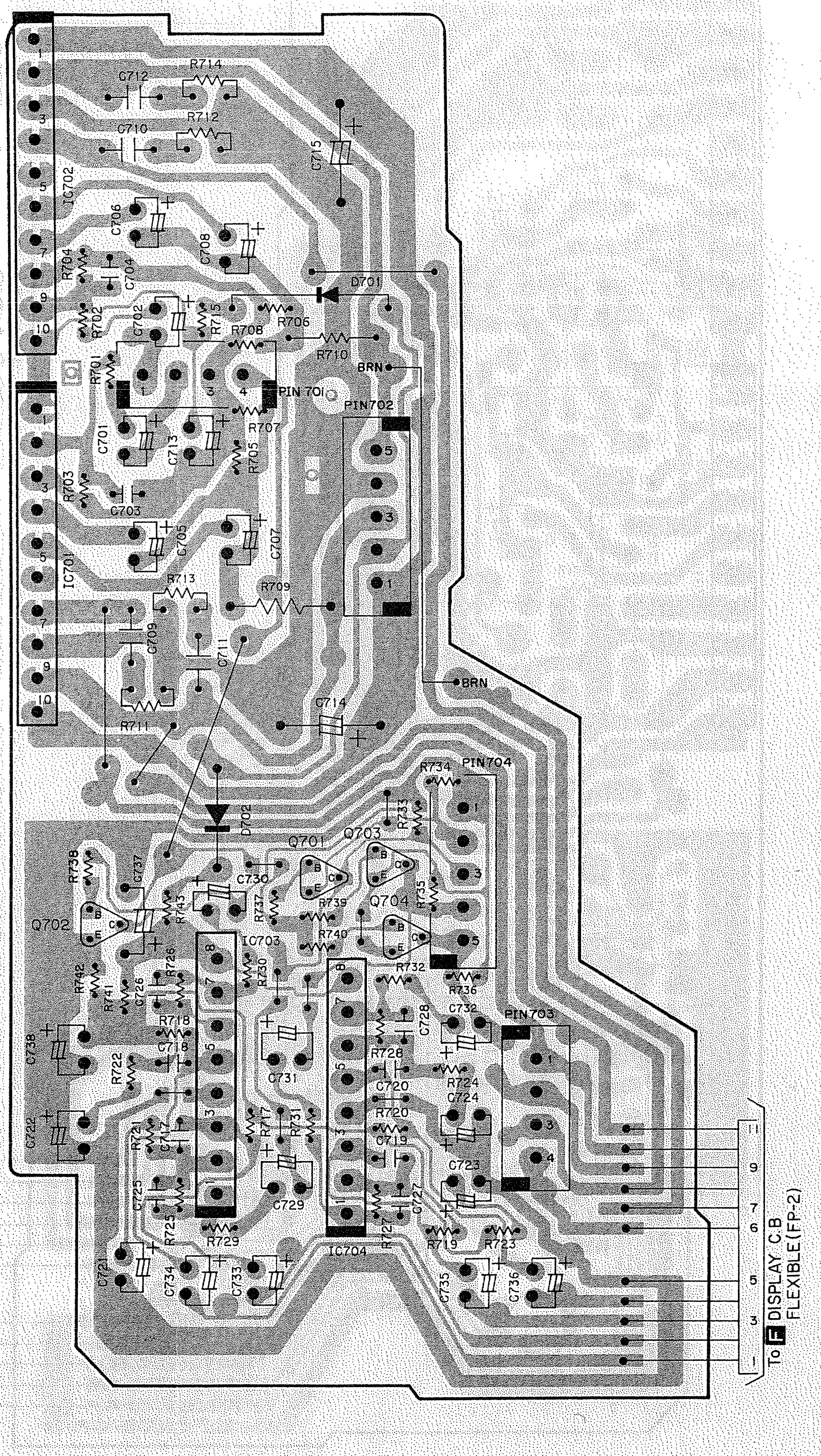
C DOLBY C.B (CT-X5500, Z5500)

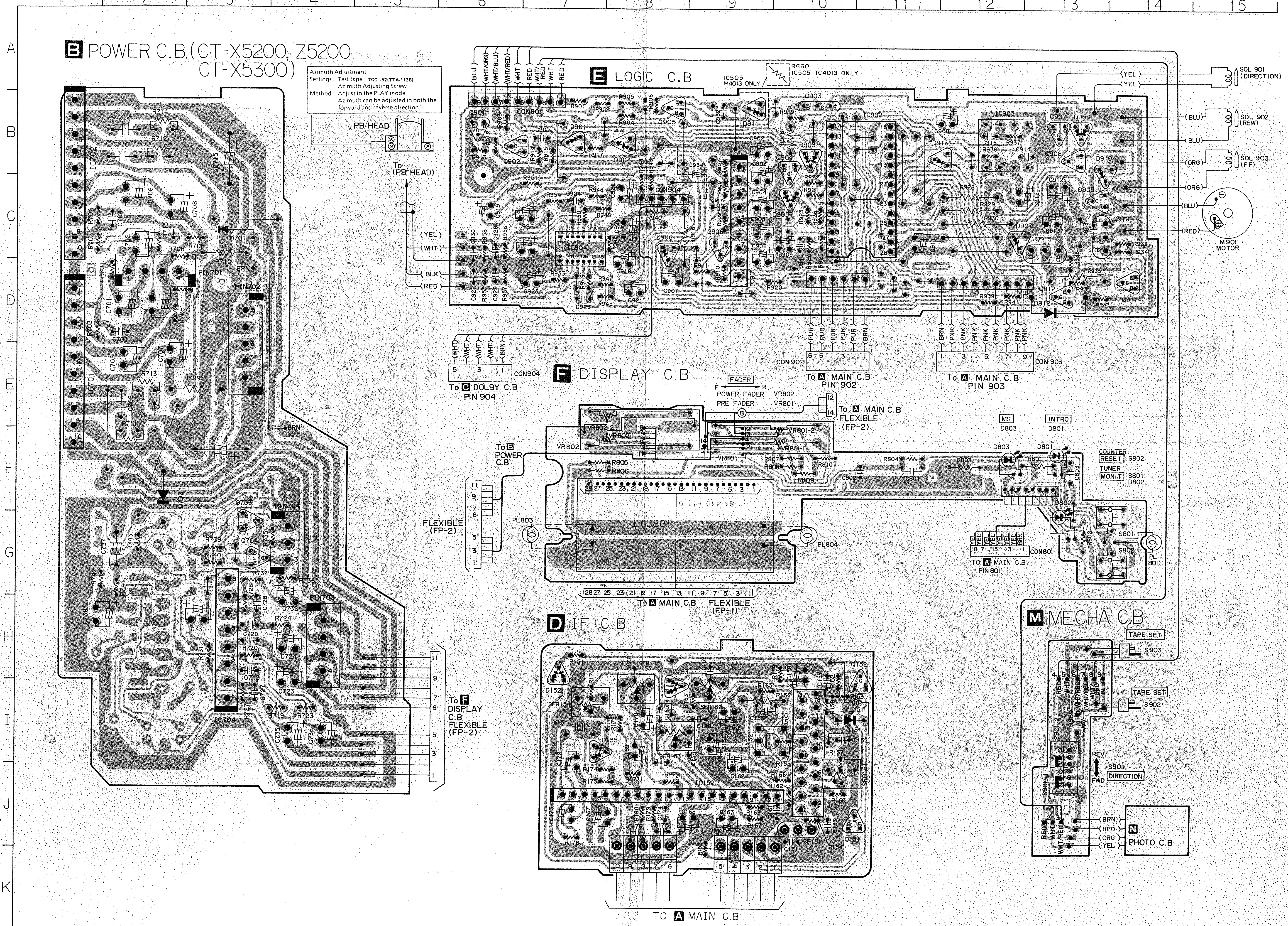

To A MAIN C.B
CON 301
16P Connector Assy
IC301
84-440-603-01
PIN 904
SFR301
SFR 302
L301
L302
D302
CON 702
(WHT)
(RED)
To B POWER CB PIN702
To A MAIN C.B

C DOLBY C.B (CT-X5200, Z5200, X5300)


CT-X5300 ONLY
To B POWER C.B PIN704
CON 704
To A MAIN C.B
To B POWER C.B PIN703
CON 703
(BRN)
(WHT)
(BLK)
(RED)
16P Connector Assy
CON 301
IC301
PIN 904
SFR301
SFR 302
L302
D301
To B POWER C.B PIN702
CON 702
To B POWER CB PIN704
To B POWER CB PIN703
To A MAIN C.B

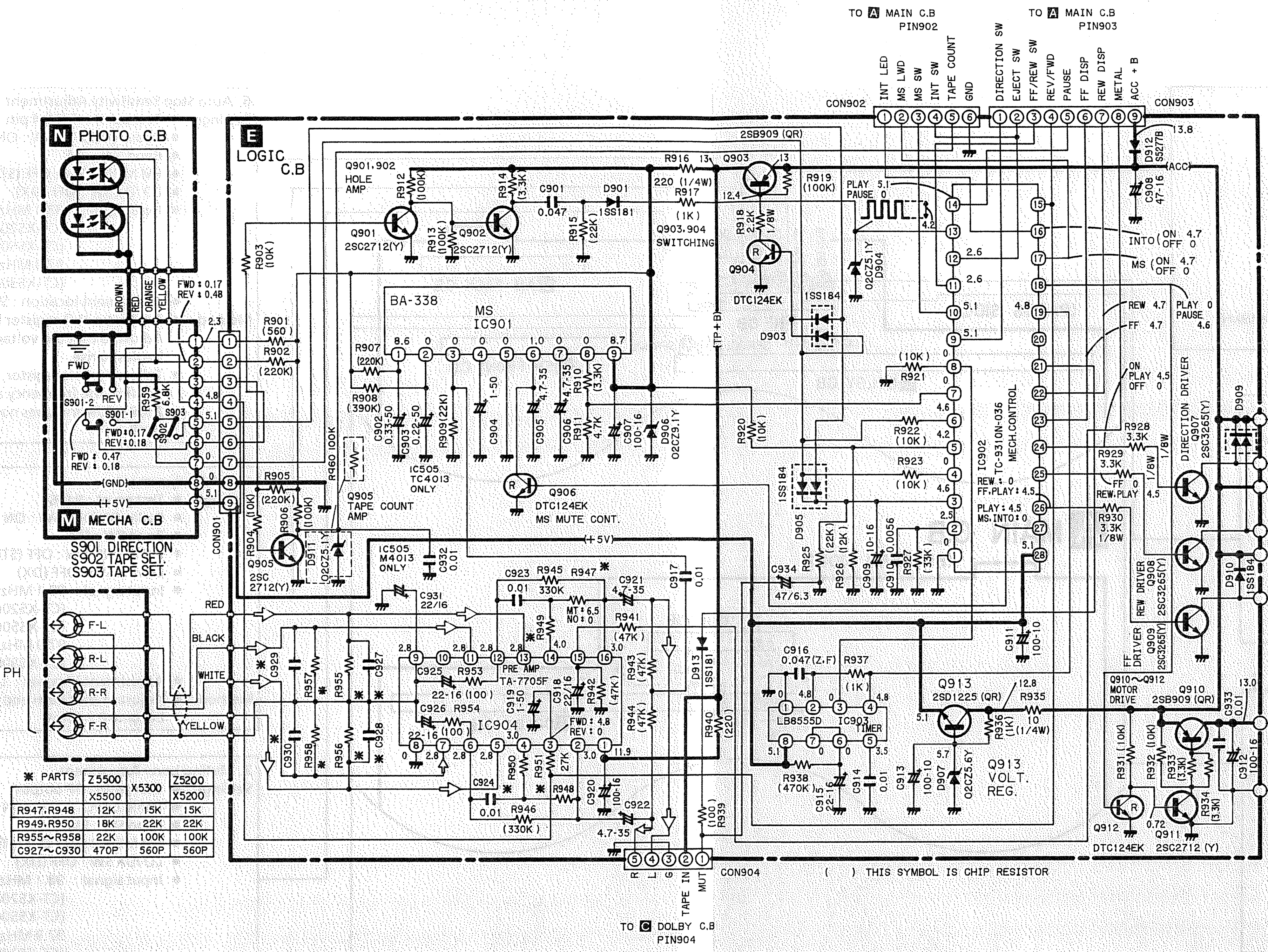
B POWER C.B (CT-X5500, Z5500)


IC702
IC701
IC703
IC704
D701
D702
Q701
Q702
Q703
Q704
PIN701
PIN702
PIN703
PIN704
BRN
To F DISPLAY C.B FLEXIBLE (FP-2)



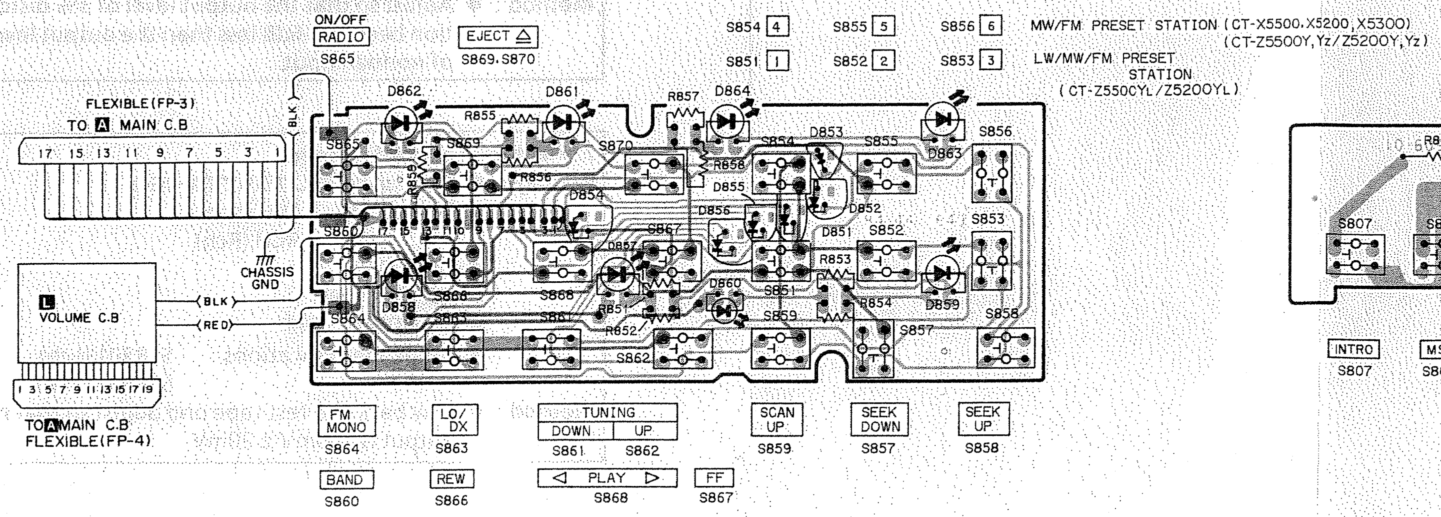
Azimuth Adjustment
Settings : Test tape : TCC-152(TTA-1138)
Azimuth Adjusting Screw
Method : Adjust in the PLAY mode.
Azimuth can be adjusted in both the forward and reverse direction.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K
B POWER C.B (CT-X5200, Z5200 CT-X5300)
PB HEAD
To (PB HEAD)
IC702
IC701
IC704
PIN701
PIN702
PIN703
PIN704
Q703
Q704
D701
D702
BRN
To F DISPLAY C.B FLEXIBLE (FP-2)
E LOGIC C.B
IC505 M4013 ONLY
R960 IC505 TC4013 ONLY
CON901
CON904
IC902
IC903
IC904
SOL 901 (DIRECTION)
SOL 902 (REW)
SOL 903 (FF)
M901 MOTOR
YEL
BLU
ORG
RED
WHT
BLK
CON 902
To A MAIN C.B PIN 902
CON 903
To A MAIN C.B PIN 903
To C DOLBY C.B PIN 904
F DISPLAY C.B
FADER
F R
POWER FADER VR802
PRE FADER VR801
To A MAIN C.B FLEXIBLE (FP-2)
MS D803
INTRO D801
COUNTER RESET S802
TUNER MONIT S801 D802
To B POWER C.B
FLEXIBLE (FP-2)
LCD801
PL803
PL804
PL 801
CON801
TO A MAIN C.B PIN 801
To A MAIN C.B FLEXIBLE (FP-1)
D IF C.B
IC151
IC152
M MECHA C.B
TAPE SET S903
TAPE SET S902
REV FWD
S901 DIRECTION
N PHOTO C.B
TO A MAIN C.B

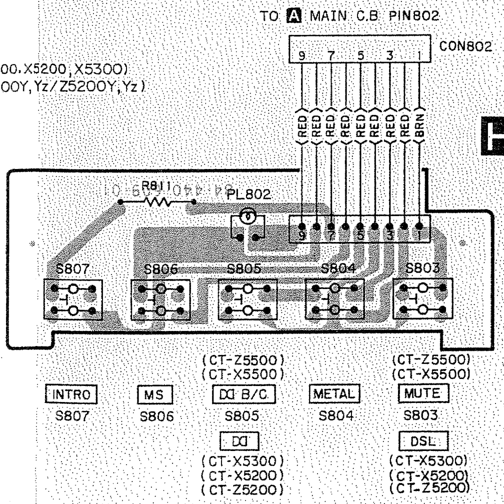

TO A MAIN C.B PIN902
TO A MAIN C.B PIN903
INT LED
MS LWD
MS SW
INT SW
TAPE COUNT
GND
DIRECTION SW
EJECT SW
FF/REW SW
REV/FWD
PAUSE
FF DISP
REW DISP
METAL
ACC + B
CON902
CON903
N PHOTO C.B
E LOGIC C.B
M MECHA C.B
Q901,902 HOLE AMP
Q901 2SC2712(Y)
Q902 2SC2712(Y)
2SB909 (QR)
Q903
Q903,904 SWITCHING
Q904 DTC124EK
D901 1SS181
D903
D904 02CZ5.1Y
1SS184
BA-338
MS IC901
IC505 TC4013 ONLY
IC505 M4013 ONLY
Q905 TAPE COUNT AMP
Q905 2SC 2712(Y)
Q906 DTC124EK MS MUTE CONT.
S901 DIRECTION
S902 TAPE SET.
S903 TAPE SET.
FWD : 0.17
REV : 0.48
FWD : 0.47
REV : 0.18
BROWN
RED
ORANGE
YELLOW
(GND)
(+5V)
CON901
PH
F-L
R-L
R-R
F-R
BLACK
WHITE
PRE AMP
TA-7705F
IC904
LB8555D
IC903 TIMER
Q913 2SD1225 (QR)
Q913 VOLT. REG.
D907 02CZ5.6Y
D913 1SS181
IC902
TC-9310N-036
MECH.CONTROL
REW : 0
FF.PLAY : 4.5
PLAY : 4.5
MS.INTO : 0
PLAY 5.1
PAUSE 0
INTO (ON 4.7 OFF 0
MS (ON 4.7 OFF 0
REW 4.7
FF 4.7
PLAY 0
PAUSE 4.6
ON PLAY 4.5
OFF 0
FF 0
REW.PLAY 4.5
DIRECTION DRIVER
Q907 2SC3265(Y)
REW DRIVER
Q908 2SC3265(Y)
FF DRIVER
Q909 2SC3265(Y)
D909
D910
D912 S2770
SOL901
DIRECTION SOL
SOL902
REW SOL
SOL903
FF SOL
Q910~Q912 MOTOR DRIVE
Q910 2SB909 (QR)
Q912 DTC124EK
Q911 2SC2712 (Y)
M901
MOTOR
(+5V)
(ACC)
(TP+B)
MT : 6.5
NO : 0
FWD : 4.8
REV : 0
R
L
G
TAPE IN
MUT
CON904
( ) THIS SYMBOL IS CHIP RESISTOR
TO C DOLBY C.B PIN904

※ PARTS	Z5500 X5500	X5300	Z5200 X5200
R947,R948	12K	15K	15K
R949,R950	18K	22K	22K
R955~R958	22K	100K	100K
C927~C930	470P	560P	560P

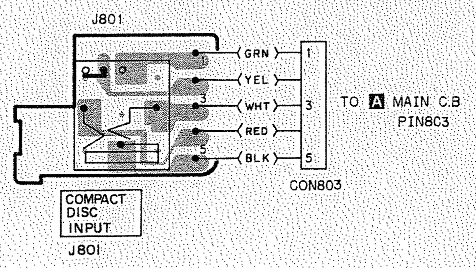
G STOP SW. C.B


ON/OFF
RADIO
S865
EJECT △
S869,S870
S854 4
S855 5
S856 6
S851 1
S852 2
S853 3
MW/FM PRESET STATION (CT-X5500,X5200,X5300)
(CT-Z5500Y,Yz/Z5200Y,Yz)
LW/MW/FM PRESET STATION (CT-Z550OYL/Z5200YL)
FLEXIBLE(FP-3)
TO A MAIN C.B
CHASSIS GND
L VOLUME C.B
BLK
RED
TO A MAIN C.B
FLEXIBLE(FP-4)
FM MONO
S864
LO/DX
S863
TUNING
DOWN
UP
S861
S862
SCAN UP
S859
SEEK DOWN
S857
SEEK UP
S858
BAND
S860
REW
S866
◁ PLAY ▷
S868
FF
S867

H SW. C.B


TO A MAIN C.B PIN802
CON802
9 7 5 3 1
RED
BRN
R811
PL802
S807
S806
S805
S804
S803
INTRO
S807
MS
S806
(CT-Z5500)
(CT-X5500)
DD B/C
S805
DD
(CT-X5300)
(CT-X5200)
(CT-Z5200)
METAL
S804
(CT-Z5500)
(CT-X5500)
MUTE
S803
DSL
(CT-X5300)
(CT-X5200)
(CT-Z5200)

I CD JACK C.B


J801
GRN
YEL
WHT
RED
BLK
1
3
5
TO A MAIN C.B PIN8C3
CON803
COMPACT DISC INPUT
J801

ADJUSTMENT

3. 19kHz Cancel Adjustment
Settings :
- Test point : SP output
- Radio ON/OFF SW : ON
- Band SW : FM
- FM MONO SW : OFF (STEREO)
- LO /DX SW : OFF (DX)
- Input signal : 98.1 MHz, 66dB
  (CT-X5200, Z5200)
  (CT-X5500, Z5500)
  97.9 MHz, 66dB
  (CT-X5300)
- Adjustment location : SFR153

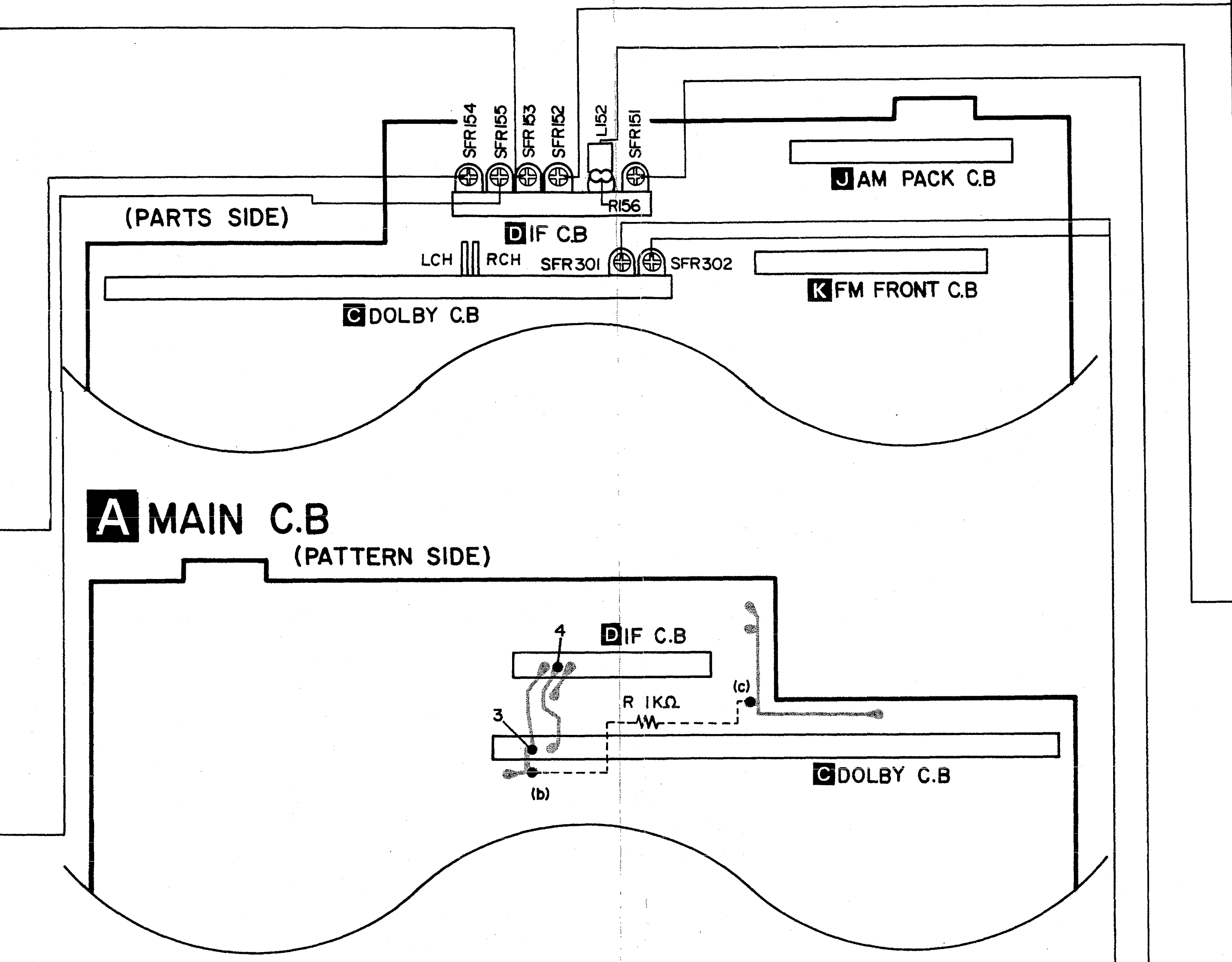
Method :
- Adjust for minimum output of the 19kHz pilot signal.

5. SNC Adjustment
Settings :
- Test point : SP output
- Radio ON/OFF : SW : ON
- Band SW : FM
- FM MONO SW : OFF (STEREO)
- LO /DX SW : OFF (DX)
- Input signal : 98.1 MHz, 35dB
  (CT-X5200, Z5200)
  (CT-X5500, Z5500)
  97.9 MHz, 35dB
  (CT-X5300)
- Adjustment location : SFR154

Method :
- Adjust for 6dB of separation.

4. Separation Adjustment
Settings :
- Test point : SP output
- Radio ON/OFF SW : ON
- Band SW : FM
- FM MONO SW : OFF (STEREO)
- LO /DX SW : OFF (DX)
- Input signal : 98.1 MHz, 66dB
  (CT-X5200, Z5200)
  (CT-X5500, Z5500)
  97.9 MHz, 66dB
  (CT-X5300)
- Adjustment location : SFR155

Method :
- Adjust for maximum separation (more than 22dB).



6. Auto Stop Sensitivity Adjustment
Settings :
- Test point : IF C.B 4 pin
- Radio ON/OFF : SW : ON
- Band SW : FM
- FM MONO SW : OFF (STEREO)
- LO /DX SW : OFF (DX)
- Input signal : 98.1 MHz, 23dB
  (CT-X5200, Z5200)
  (CT-X5500, Z5500)
  97.9 MHz, 23dB
  (CT-X5300)
- Adjustment location : SFR152

Method :
- Connect a 1kΩ registor between (b) and (c). Adjust so that the voltage of test point begins to rise.
- Take off a 1kΩ registor. Confirm the frequency automatically stops at 23dB ± 2dB and does not stop at less than 20dB.

1. FM IF Adjustment
Settings :
- Test point : R156
- Radio ON/OFF SW : ON
- Band SW : FM
- FM MONO SW : OFF (STEREO)
- LO /DX SW : OFF (DX)
- Input signal : 98.1 MHz, 66dB
  (CT-X5200, Z5200)
  (CT-X5500, Z5500)
  97.9 MHz, 66dB
  (CT-X5300)
- Adjustment location : L152

Method :
- Adjust so that both end of the test point become 0 ± 10mV.

2. Muting Level Adjustment
Settings :
- Test point : SP output
- Radio ON/OFF SW : ON
- Band SW : FM
- FM MONO SW : OFF (STEREO)
- LO /DX SW : OFF (DX)
- Input signal : 98.1 MHz, 66dB
  (CT-X5200, Z5200)
  (CT-X5500, Z5500)
  97.9 MHz, 66dB
  (CT-X5300)
- Adjustment location : SFR151

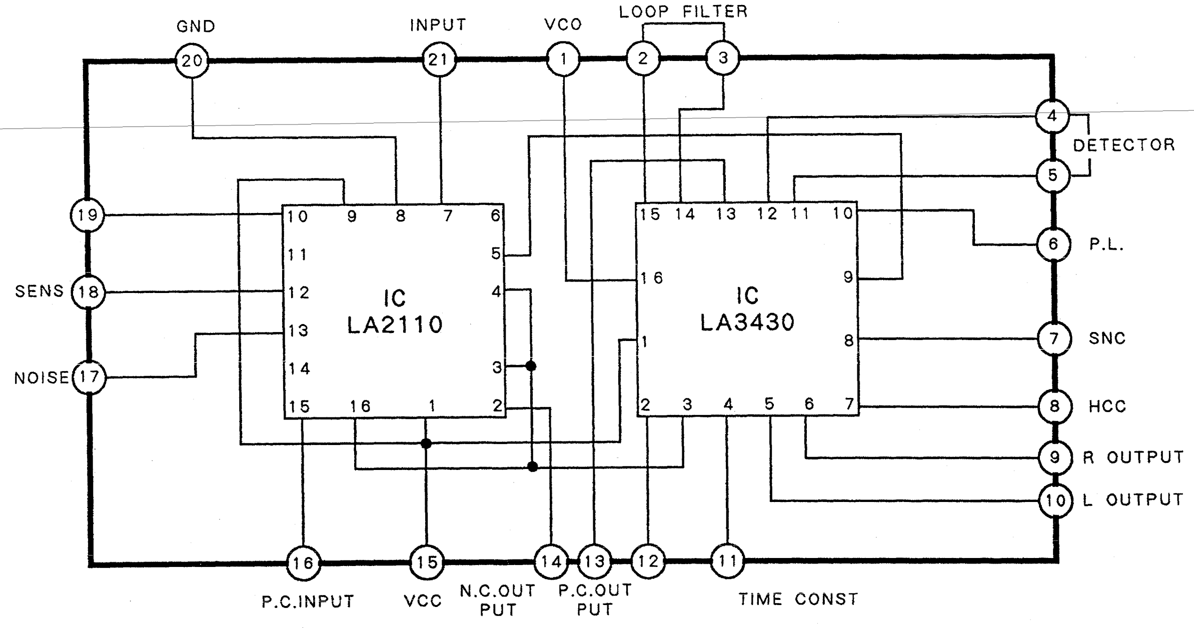
Method :
- Adjust so that the output level of 3% distortion becomes 6dB less than the output level of normal input.

7. Playback Level Adjustment
Settings :
- Test tape : TCC-130 (TTA-161)
- Test point : LCH (Lch)
  RCH (Rch)
- DSL : OFF
- METAL : OFF
- DOLBY NR : OFF
- Adjustment locations : SFR301 (Lch)
  SFR302 (Rch)

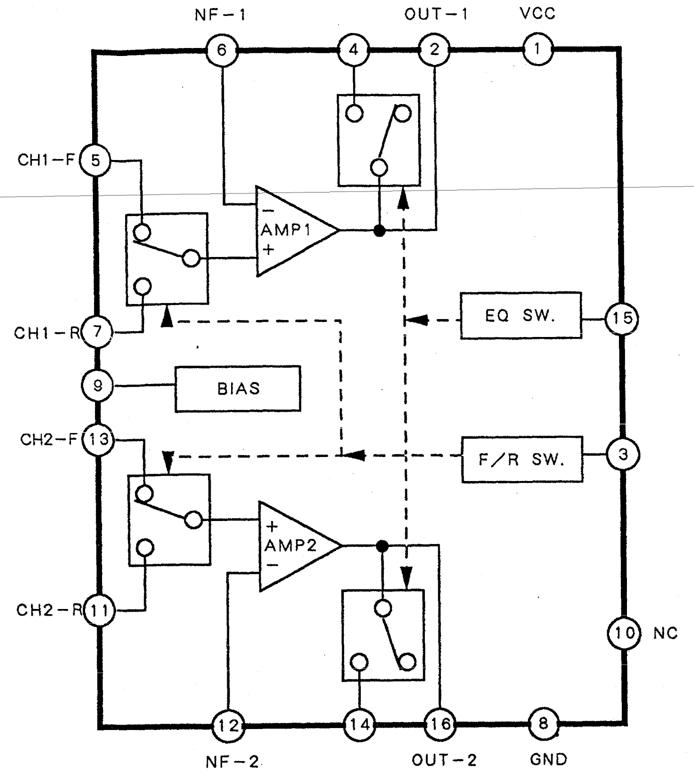
Method :
- Play back the test tape and adjust so that the output is 300mV ± 20mV

IC BLOCK DIAGRAM

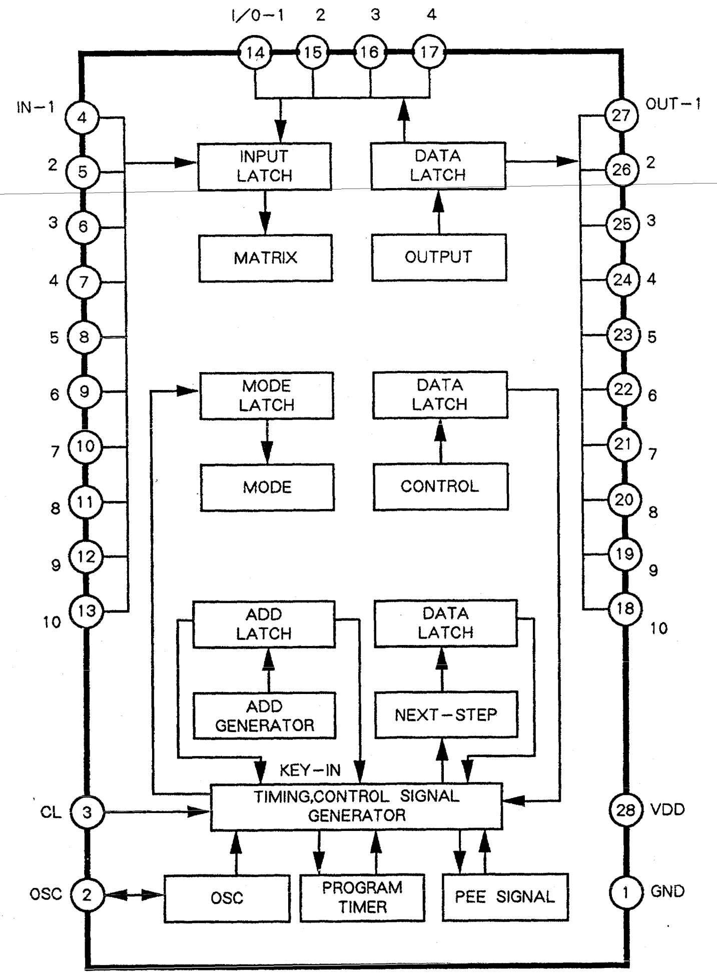
STK3400


GND
INPUT
VCO
LOOP FILTER
20
21
1
2
3
4
5
DETECTOR
19
SENS 18
NOISE 17
IC
LA2110
IC
LA3430
10 9 8 7 6
11 5
12 4
13
14 3
15 16 1 2
15 14 13 12 11 10
16 9
1 8
2 3 4 5 6 7
6 P.L.
7 SNC
8 HCC
9 R OUTPUT
10 L OUTPUT
16
15
14
13
12
11
P.C.INPUT
VCC
N.C.OUT PUT
P.C.OUT PUT
TIME CONST

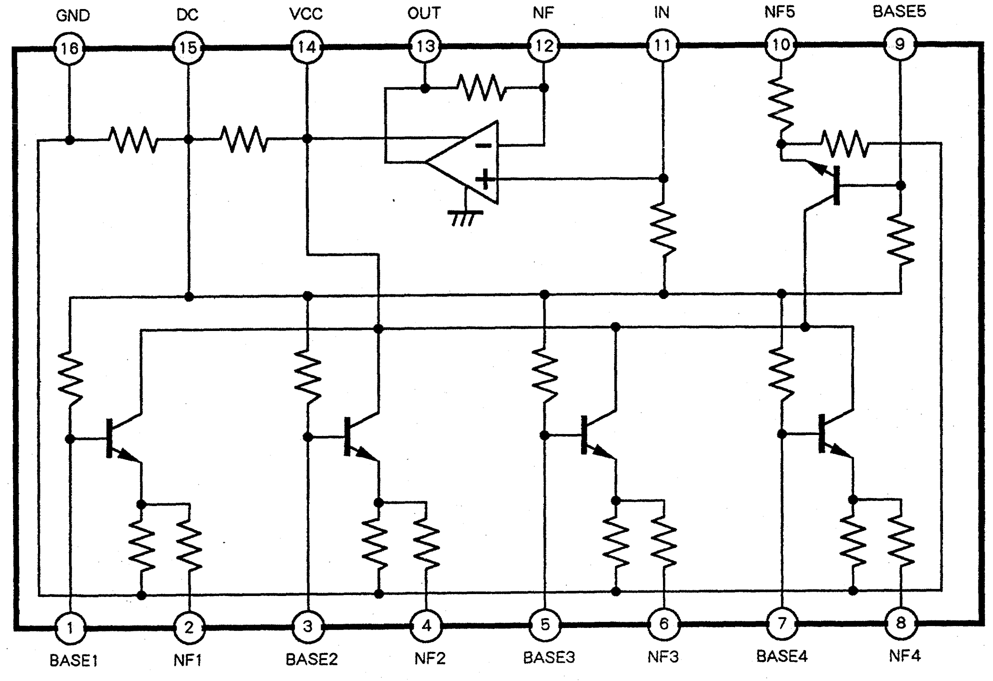
TA7705


NF-1
OUT-1
VCC
6
4
2
1
CH1-F 5
CH1-R 7
9
CH2-F 13
CH2-R 11
AMP1
AMP2
BIAS
EQ SW.
F/R SW.
15
3
10 NC
12
14
16
8
NF-2
OUT-2
GND

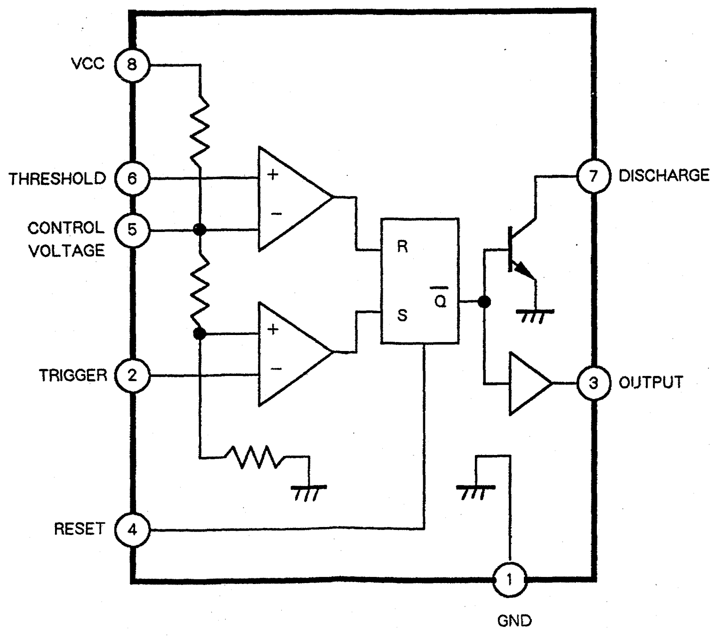
TC9310


I/O-1 2 3 4
14 15 16 17
IN-1 4
2 5
3 6
4 7
5 8
6 9
7 10
8 11
9 12
10 13
OUT-1 27
2 26
3 25
4 24
5 23
6 22
7 21
8 20
9 19
10 18
INPUT LATCH
DATA LATCH
MATRIX
OUTPUT
MODE LATCH
DATA LATCH
MODE
CONTROL
ADD LATCH
DATA LATCH
ADD GENERATOR
NEXT-STEP
KEY-IN
TIMING,CONTROL SIGNAL GENERATOR
CL 3
28 VDD
OSC 2
OSC
PROGRAM TIMER
PEE SIGNAL
1 GND

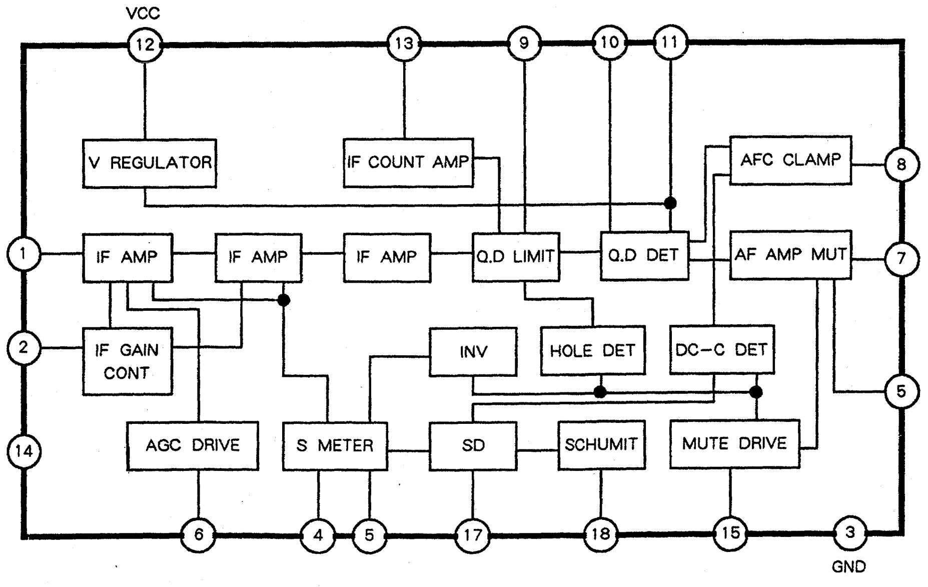
LA3600

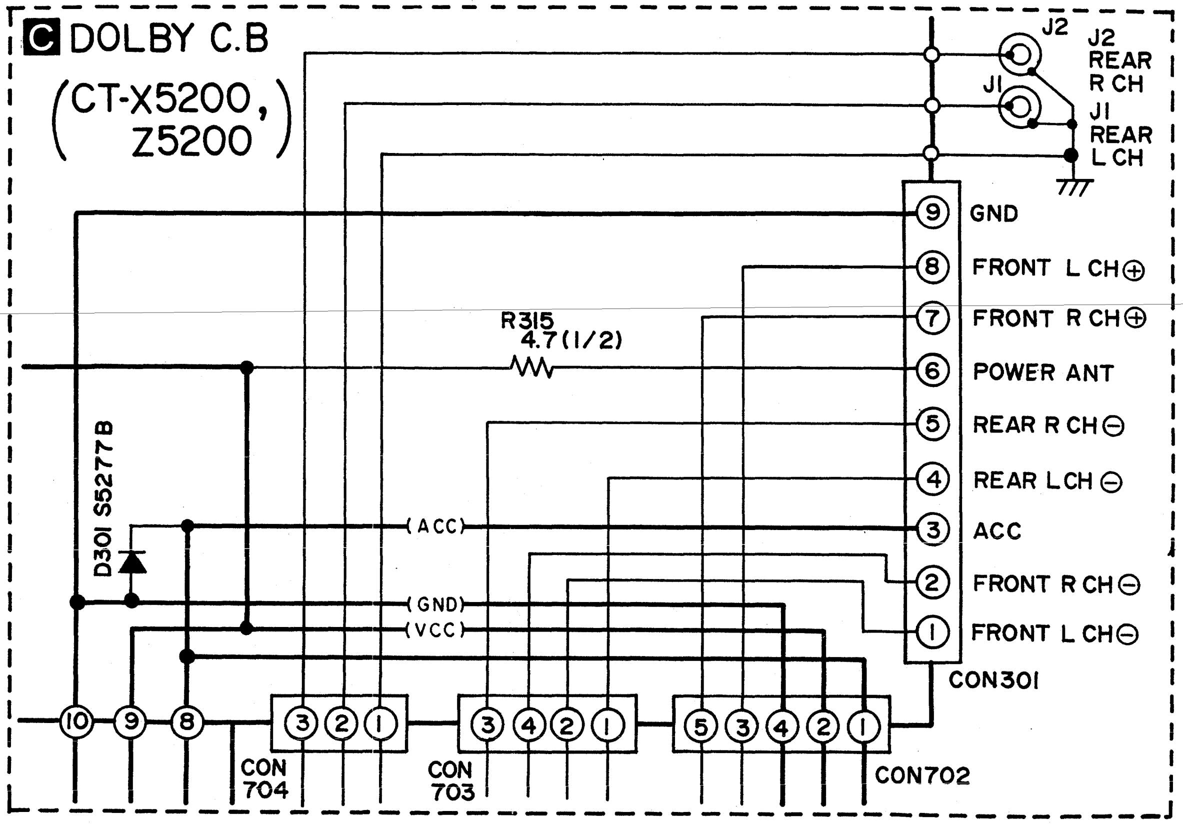

GND
DC
VCC
OUT
NF
IN
NF5
BASE5
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
BASE1
NF1
BASE2
NF2
BASE3
NF3
BASE4
NF4

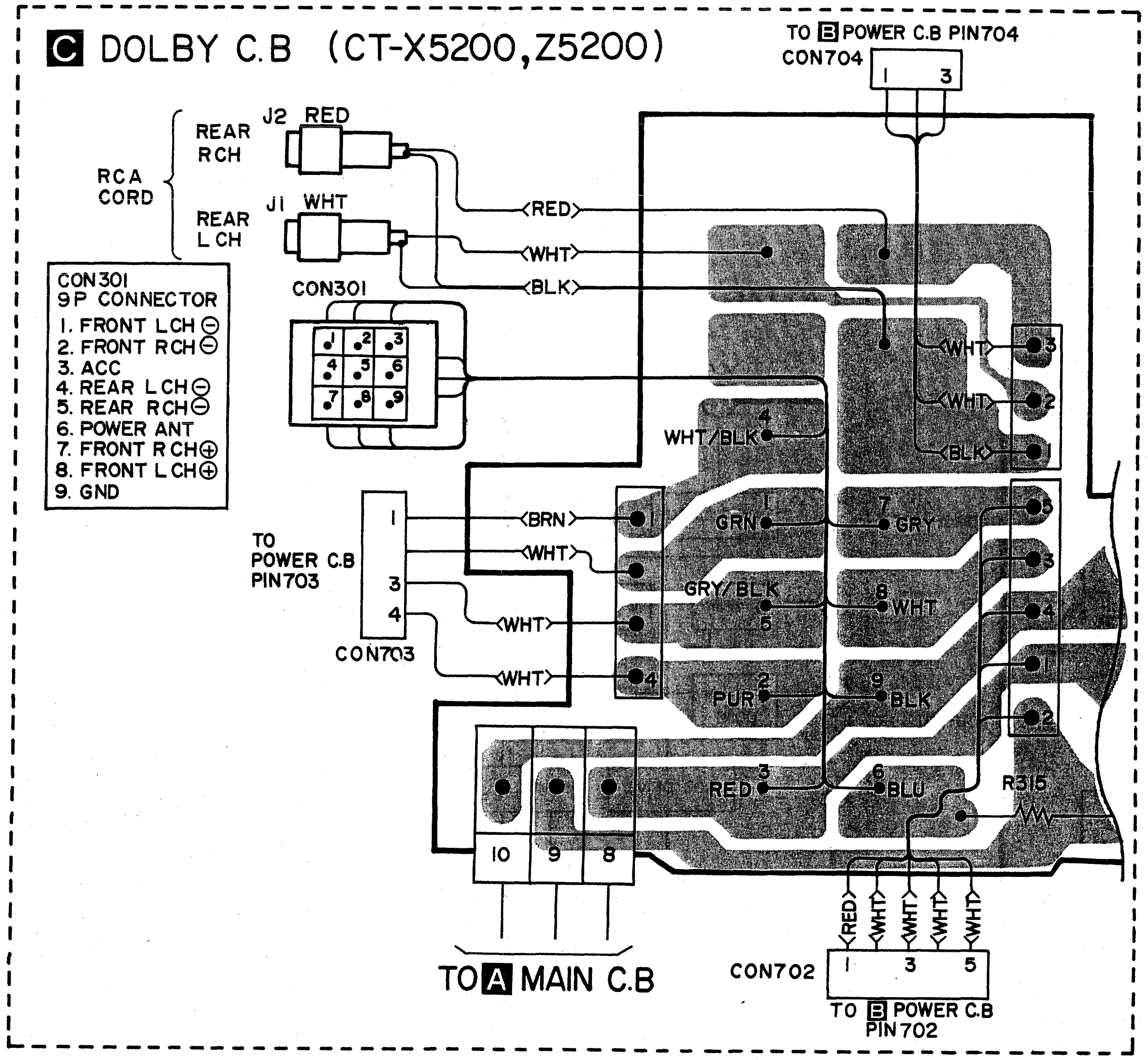
LB8555


VCC 8
THRESHOLD 6
CONTROL VOLTAGE 5
TRIGGER 2
RESET 4
R
S
Q
7 DISCHARGE
3 OUTPUT
1
GND

LA1145

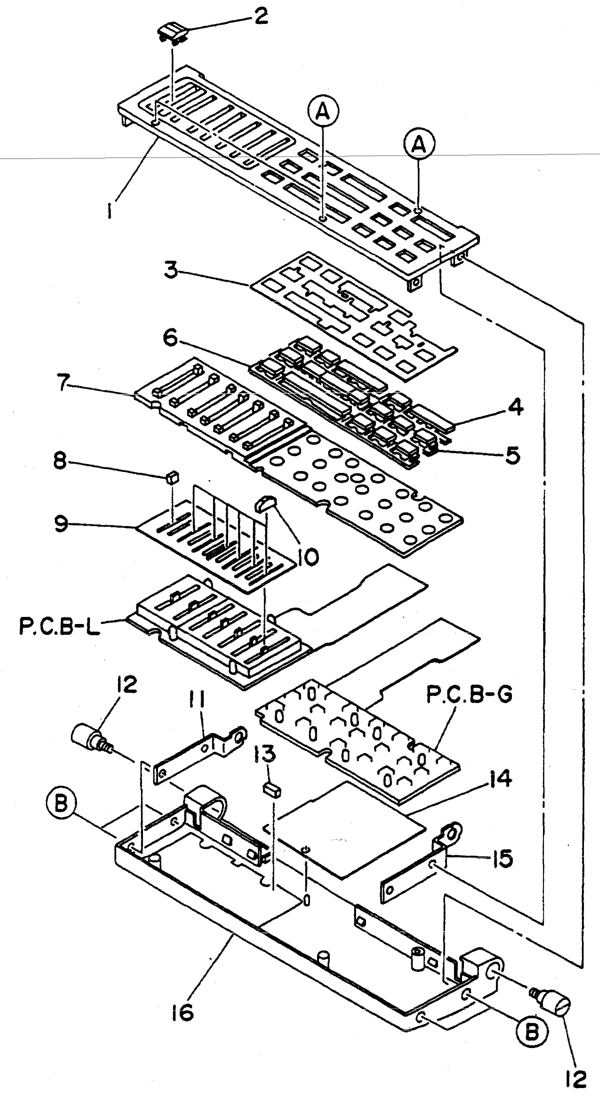

VCC
12
13
9
10
11
V REGULATOR
IF COUNT AMP
AFC CLAMP
8
1
IF AMP
IF AMP
IF AMP
Q.D LIMIT
Q.D DET
AF AMP MUT
7
2
IF GAIN CONT
INV
HOLE DET
DC-C DET
5
14
AGC DRIVE
S METER
SD
SCHUMIT
MUTE DRIVE
6
4
5
17
18
15
3
GND


C DOLBY C.B
(CT-X5200, Z5200)
J2
J1
J2 REAR R CH
J1 REAR L CH
9 GND
8 FRONT L CH⊕
7 FRONT R CH⊕
6 POWER ANT
5 REAR R CH⊖
4 REAR L CH⊖
3 ACC
2 FRONT R CH⊖
1 FRONT L CH⊖
CON301
R315 4.7(1/2)
D301 S5277B
(ACC)
(GND)
(VCC)
10 9 8
CON 704
CON 703
CON702


C DOLBY C.B (CT-X5200,Z5200)
TO B POWER C.B PIN704
CON704
RCA CORD
REAR R CH
REAR L CH
J2 RED
J1 WHT
RED
WHT
BLK
CON301
CON301
9P CONNECTOR
1. FRONT L CH⊖
2. FRONT R CH⊖
3. ACC
4. REAR L CH⊖
5. REAR R CH⊖
6. POWER ANT
7. FRONT R CH⊕
8. FRONT L CH⊕
9. GND
TO POWER C.B PIN703
CON703
BRN
WHT
WHT/BLK
GRN
GRY
GRY/BLK
PUR
BLK
RED
BLU
R315
TO A MAIN C.B
CON702
TO B POWER C.B PIN702

EXPLODED VIEW-1

REF.NO.	PART NO.	DESCRIPTION
A	87-067-442-01	VT_1+1.7-8 (B)
B	87-238-073-21	Q+2.6-6 (B)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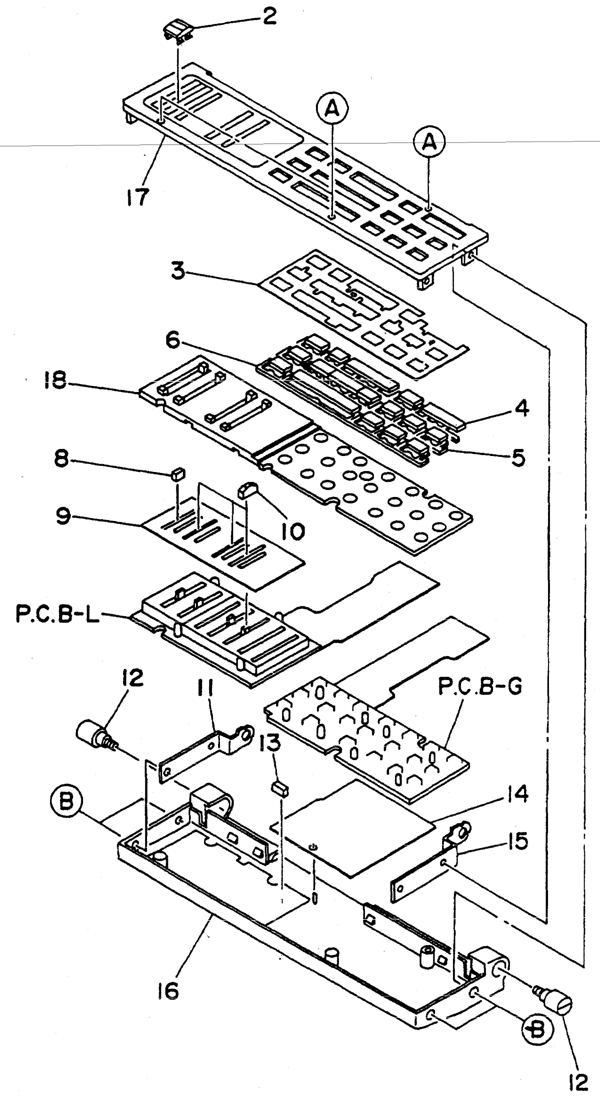
P.C.B-G

CT-Z5500/X5500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P.C.B-L
P.C.B-G

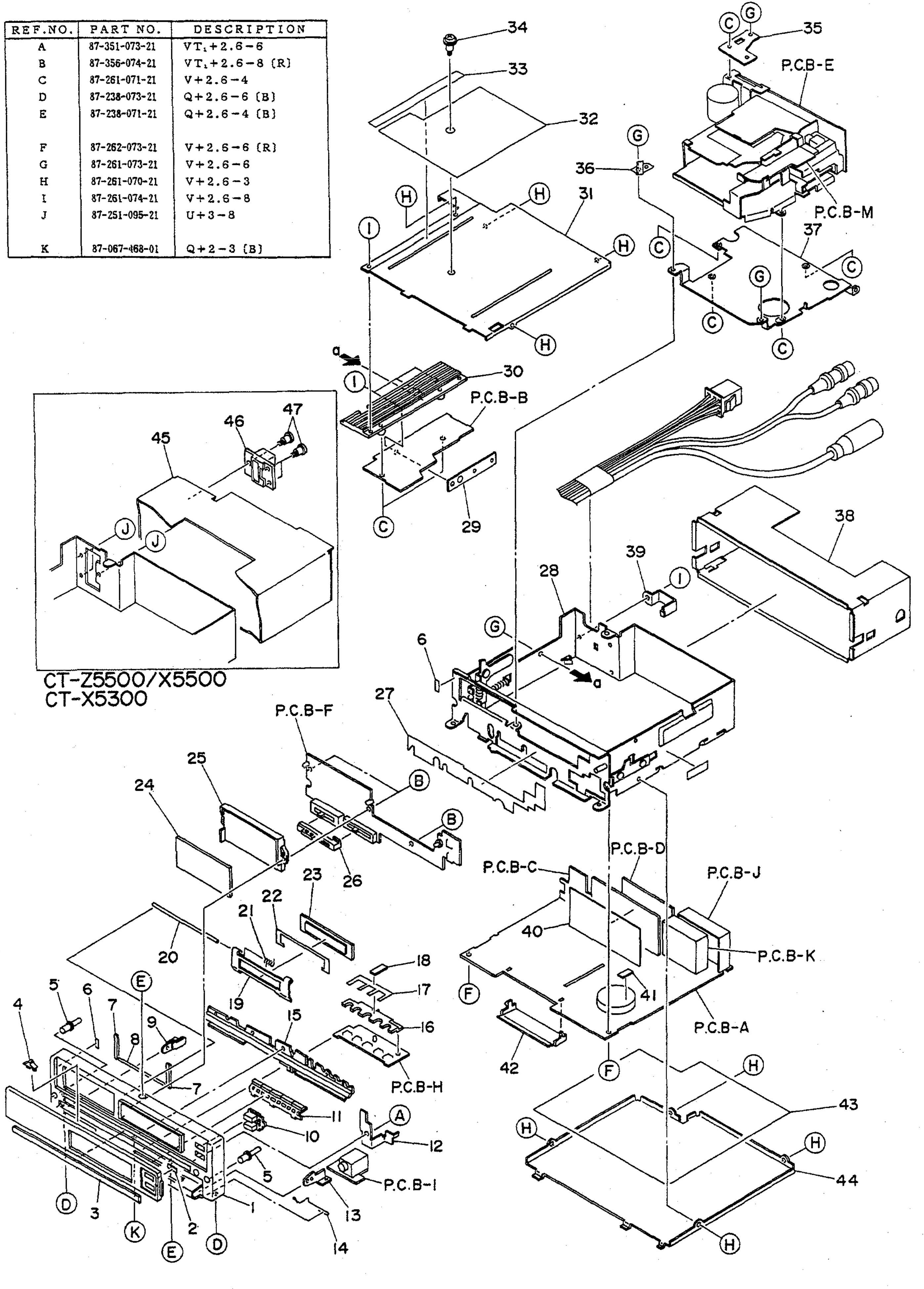
CT-X5300
CT-Z5200/X5200

MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q, TY
	1-1	★84-440-008-010		PANEL,OPERATION TZ(CT-Z5500YL)	*	1
	1-1	★84-440-020-010		PANEL,OPERATION TX(CT-Z5500Y/X5500YU)	*	1
	1-2	84-440-011-010		VOLUME,SLIDE KNOB	*	1
	1-3	★84-440-266-010		REFRACT SHEET A	*	1
	1-4	★84-440-016-010		PUSH-KNOB,C1	*	1
	1-5	★84-440-017-010		PUSH-KNOB,C2	*	1
	1-6	★84-440-018-010		PUSH-KNOB,C3	*	1
	1-7	★84-440-215-010		OPERATION-PANEL,LIG(CT-Z5500/X5500)	*	1
	1-8	★84-440-258-010		SPACER,VOL	*	1
	1-9	★84-440-259-010		BLIND SHEET A	*	1
	1-10	84-440-029-010		SLIDE KNOB,GE(CT-Z5500/X5500)	*	6
	1-10	84-440-029-010		SLIDE KNOB,GE(CT-X5300/Z5200/X5200)	*	3
	1-11	★84-415-212-010		METAL FITTING L,SHAFT BEARING		1
	1-12	★84-440-021-010		SCREW	*	2
	1-13	★84-440-273-010		G CUSHION,GE	*	1
	1-14	★84-440-244-010		MYLER,FLEX WIRE	*	1
	1-15	★84-415-213-010		METAL FITTING R,SHAFT BEARING		1
	1-16	★84-440-009-010		PANEL,OPERATION B	*	1
	1-17	★84-441-001-010		PANEL,OPERATION T (CT-X5300/Z5200/X5200)	*	1
	1-17	★84-441-004-010		PANEL,OPERATION TZ(CT-X5200YL)	*	1
	1-18	★84-441-206-010		OPERATION-PANEL,LIG (CT-X5300/Z5200/X5200)	*	1

EXPLODED VIEW—2

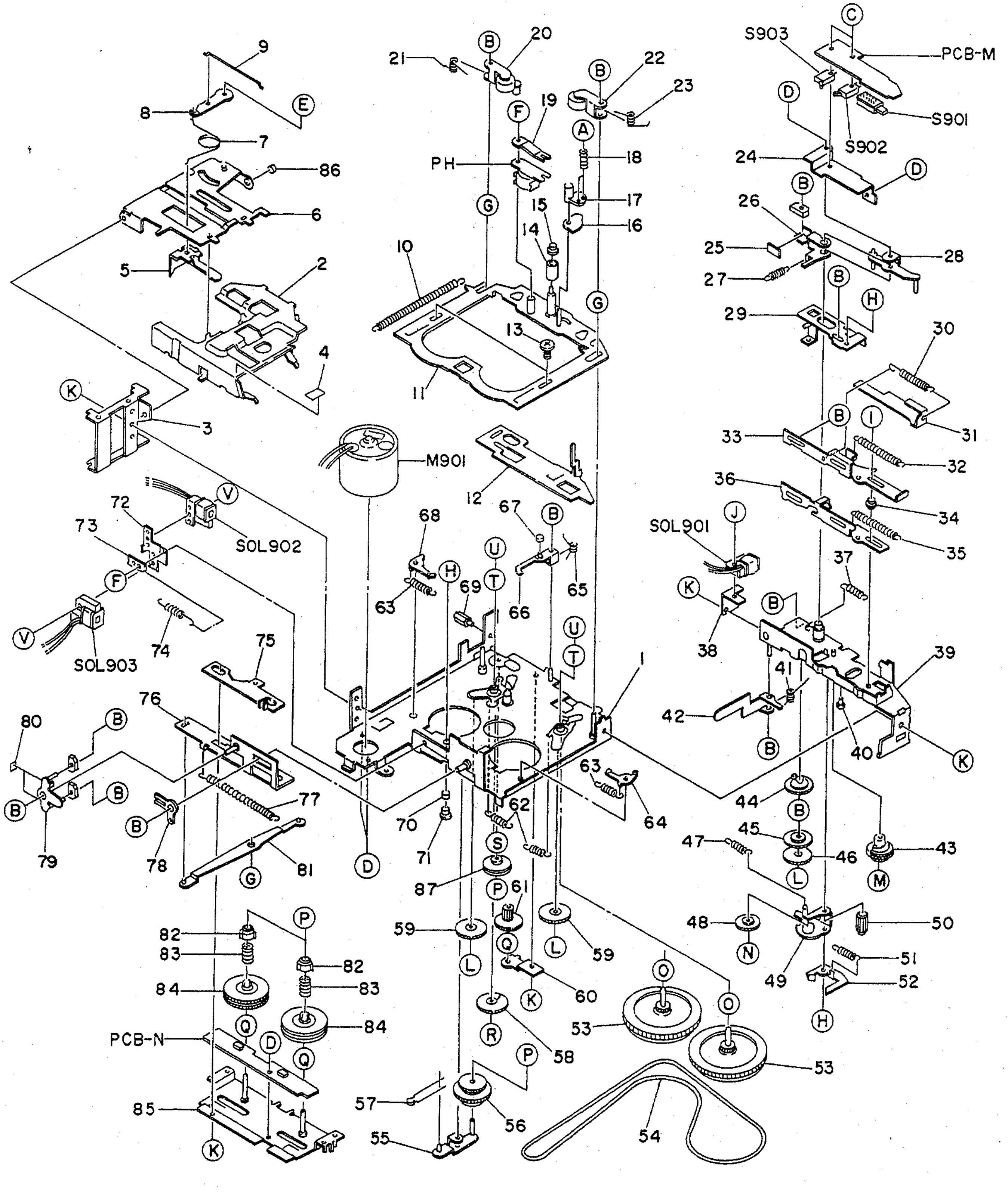
REF.NO.	PART NO.	DESCRIPTION
A	87-351-073-21	VT_1+2.6−6
B	87-356-074-21	VT_1+2.6−8 (R)
C	87-261-071-21	V+2.6−4
D	87-238-073-21	Q+2.6−6 (B)
E	87-238-071-21	Q+2.6−4 (B)
F	87-262-073-21	V+2.6−6 (R)
G	87-261-073-21	V+2.6−6
H	87-261-070-21	V+2.6−3
I	87-261-074-21	V+2.6−8
J	87-251-095-21	U+3−8
K	87-067-468-01	Q+2−3 (B)



PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q, TY
	2-1	★84-440-001-010		CABINET,FRONT	*	1
	2-2	★84-440-002-010		WINDOW,LCD	*	1
	2-3	★84-440-013-010		NAME,FRONT CABI Z(CT-Z5500)	*	1
	2-3	★84-440-019-010		NAME,FRONT CABI X(CT-X5500)	*	1
	2-3	★84-445-001-010		NAME,FRONT CABI TU(CT-X5300)	*	1
	2-3	★84-441-003-010		NAME,FRONT CABI Z(CT-Z5200)	*	1
	2-3	★84-441-012-010		NAME,FRONT CABI X(CT-X5200)	*	1
	2-4	84-440-003-010		KNOB,SLIDE FADER	*	1
	2-5	★84-415-016-010		PUSH-BUTTON,DIN		2
	2-6	★84-440-269-010		MYLER 5-18	*	2
	2-7	★84-440-263-010		BLIND CUSHION LCD	*	2
	2-8	★84-440-265-010		BLIND SHEET	*	1
	2-9	★84-440-216-010		HOLDER CLICK R ASSY	*	1
	2-10	★84-440-004-010		PUSH KNOB A	*	1
	2-11	★84-440-005-010		PUSH KNOB B	*	1
	2-12	★84-440-230-010		HOLDER,JACK	*	1
	2-13	★84-440-217-010		HOLDER CLICK L ASSY	*	1
	2-14	★84-440-250-010		SPRING,EARTH	*	1
	2-15	★84-440-007-010		FRONT CABI,LIGHT GU	*	1
	2-16	★84-440-221-010		GUIDE,LIGHT B	*	1
	2-17	★84-440-248-010		LIGHT PROTECTOR A	*	1
	2-18	★84-440-261-010		BLIND CUSHION	*	1
	2-19	84-440-006-010		LID,CASSETTE	*	1
	2-20	★82-685-212-010		SHAFT		2
	2-21	★84-440-245-010		T-SPRING	*	1
	2-22	★84-440-224-010		WINDOW,ADHESIVE	*	1
	2-23	84-440-015-010		WINDOW,LID CASSETTE(CT-Z5500/X5500)	*	1
	2-23	84-441-010-010		WINDOW,LID CASSETTE (CT-X5300/Z5200/X5200)	*	1
	2-24	★84-440-264-010		LCD REFRACTOR	*	1
	2-25	★84-440-210-010		HOLDER,LCD	*	1
	2-26	★84-440-211-010		VOLUME,JOINT	*	1
	2-27	★84-440-246-010		MYLER,FRONT CHASSIS	*	1
	2-28	★84-440-219-010		SIDE CHASSIS ASSY (CT-Z5500/X5500/X5300)	*	1
	2-28	★84-441-203-010		SIDE CHASSIS ASSY(CT-Z5200/X5200)	*	1
	2-29	★84-440-231-010		NUT,IC	*	1
	2-30	---		HEAT SINK ASSY		1
	2-31	84-440-203-010		PANEL,TOP	*	1
	2-32	---		LABEL,SPEC		1
	2-33	---		LABEL,CAUTION HI TEM		1
	2-34	★84-440-255-010		TRANSPORT SCREW	*	1
	2-35	★84-440-205-010		HOLDER A,MECHANISM	*	1
	2-36	★84-440-268-010		LIGHT REFRACTOR	*	1
	2-37	★84-440-206-010		HOLDER B,MECHANISM	*	1
	2-38	★84-441-201-010		HALF SLEEV DIN(CT-Z5200/X5200)	*	1
	2-39	★84-441-205-010		WIRE,CLAMPER(CT-Z5200/X5200)	*	1
	2-40	★84-440-253-010		MYLER,TUN	*	1
	2-41	★84-440-277-010		MYLER,BATTERY	*	1
	2-42	★84-440-218-010		HOLDER,FLEXIBLE WIRE	*	1
	2-43	★84-440-243-010		MYLER,BOTTOM PANEL	*	1
	2-44	★84-440-204-010		PANEL,BOTTOM	*	1
	2-45	★84-440-270-010		DIN,SLEEV ASSY(CT-Z5500-X5500-X5300)	*	1
	2-46	★84-440-637-010		CONNECTOR ASSY,16P (CT-Z5500/X5500)	*	1
	2-46	★84-445-606-010		CONNECTOR ASSY,16P F(CT-X5300)	*	1
	2-47	★87-067-285-010		SCREW M3,CONNECTOR (CT-Z5500/X5500/X5300)	*	1

EXPLODED VIEW－3

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
A	S1-005-050-300	Azimuth screw	H	S2-171-B03-006	STE-1.2	O	S2-182-103-5D1	PW 2.1x3.5x0.25
B	S2-171-D04-006	STE-1.5	I	S2-111-205-0B1	U+2x5	P	S2-181-603-2D2	PW 1.6x3.2x0.25(CUT)
C	S2-101-F07-0H2	U+1.7x7	J	S1-005-051-000	Special screw M2x5	Q	S2-182-104-041	PW 2.1x4x0.4
D	S2-111-203-0B1	U+2x3	K	S2-111-L03-0B1	U+2.6x3	R	S2-182-104-0D2	PW 2.1x4x0.25(CUT)
E	S2-171-K06-006	STE-2.5	L	S2-181-203-0D2	PW 1.2x3x0.25(CUT)	S	S2-182-105-0D1	PW 2.1x5x0.25
F	S2-111-204-0B1	U+2x4	M	S2-181-603-252	PW 1.6x3.2x0.5(CUT)	T	S2-182-103-531	PW 2.1x3.5x0.3
G	S2-171-307-006	STE-3	N	S2-182-104-0D1	PW 2.1x4x0.25	U	S2-171-K03-296	STE-1.6x3.2
						V	S2-103-205-0H2	U+2x5.5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PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q, TY
	3-1	★S3-005-010-000		MAIN CHASSIS ASSY		1
	3-2	★S1-005-013-100		CASSETTE HOUSING		1
	3-3	★S1-005-013-650		BRACKET(WP)		1
	3-4	---		CUSHION CH		1
	3-5	★S1-005-020-400		CATCH		1
	3-6	★S3-005-013-000		HOUSING ARM ASSY		1
	3-7	★S1-005-041-800		SPRING,REVERSE		1
	3-8	★S1-005-013-400		PLATE,CENTER OVER		1
	3-9	★S1-005-050-200		ROD,CENTER OVER		1
	3-10	★S1-005-040-200		SPRING,H/P		1
	3-11	★S3-005-010-500		HEAD PLATE ASSY		1
	3-12	★S1-005-011-200		RVS PLATE		1
	3-13	★S1-005-035-500		SCREW		2
	3-14	★S1-005-051-900		TUBE,VINYL		1
	3-15	★S1-005-020-200		ROLLER C,H/P		1
	3-16	★S1-005-012-600		ADJUSTOR PLATE		1
	3-17	★S1-005-020-100		ARM,AZIMUTH		1
	3-18	★S1-005-041-500		SPRING,AZIMUTH LOCK		2
	3-19	★S1-005-012-700		SPRING,AZIMUTH PLATE		1
	3-20	S3-005-010-850		PR ARM ASSY(F)		1
	3-21	★S1-005-040-000		SPRING,PR ARM(F)		1
	3-22	S3-005-010-950		PR ARM ASSY(R)		1
	3-23	★S1-005-040-100		SPRING,PR ARM(R)		1
	3-24	★S1-005-012-500		SWITCH BRACKET		1
	3-25	---		HIMERON TAPE		1
	3-26	★S3-005-011-900		TIP ARM ASSY		1
	3-27	★S1-005-040-800		SPRING,TIP ARM		1
	3-28	★S3-005-011-700		SELECT ARM ASSY		1
	3-29	★S3-005-011-800		POWER PLATE ASSY		1
	3-30	★S1-005-042-000		PLATE SPRING, SLIDE		1
	3-31	★S1-005-014-100		SLIDE PLATE		1
	3-32	★S1-005-041-100		SPRING,RESET/P		1
	3-33	★S3-005-012-400		RESET PLATE ASSY		1
	3-34	★S1-005-034-300		SPACER		1
	3-35	★S1-005-041-000		SPRING,EJ/P		1
	3-36	★S1-005-012-300		EJ PLATE		1
	3-37	★S1-005-040-900		SPRING,STARTER		1
	3-38	★S3-005-012-000		SOLENOID BRACKET(B)		1
	3-39	★S3-005-013-800		SUB CHASSIS ASSY		1
	3-40	★S1-005-034-200		ROLLER,MODE		1
	3-41	★S1-005-040-600		SPRING,TRIGGER		1
	3-42	★S1-005-012-100		TRIGGER PLATE		1
	3-43	S1-005-022-000		GEAR,MODE		1
	3-44	S3-005-022-100		EJ GEAR ASSY		1
	3-45	S1-005-021-600		GEAR(A)		1
	3-46	S3-005-021-900		RVS GEAR ASSY		1
	3-47	★S1-005-040-700		SPRING,RVS/T		1
	3-48	S1-005-021-700		GEAR(B)		1
	3-49	★S1-005-012-200		RVS TRIGGER		1
	3-50	S1-005-021-800		GEAR(C)		1
	3-51	★S1-005-042-000		SPRING,RVS TRIGGER ARM		1
	3-52	★S1-005-015-300		RVS TRIGGER ARM		1
	3-53	★S1-005-060-000		FLYWHEEL ASSY		2
	3-54	S1-005-050-100		BELT,MAIN		1
	3-55	★S3-005-010-700		FF ARM ASSY		1
	3-56	S3-005-021-100		FF GEAR ASSY		1
	3-57	★S1-005-040-400		SPRING,FF ARM		1
	3-58	S1-005-021-400		15.2 GEAR		1
	3-59	S1-005-020-600		IDLER GEAR		2
	3-60	★S1-005-013-200		GUIDE,GEAR SHAFT		1
	3-61	S1-005-021-500		IN-PUT GEAR		1
	3-62	★S1-005-040-300		SPRING,IDLER		2
	3-63	★S1-005-040-500		SPRING,BRAKE		2
	3-64	★S1-005-011-500		BRAKE PLATE(R)		1
	3-65	★S1-005-041-700		SPRING,TIMING ARM		1
	3-66	★S3-005-012-900		TIMING ARM ASSY		1
	3-67	★S1-005-032-300		A ROLLER,TIMING		1
	3-68	★S1-005-011-400		BRAKE PLATE(F)		1
	3-69	★S1-005-035-000		SPECIAL STUD		1
	3-70	★S1-005-033-200		ROLLER(B),H/P		1

PART NO. CHANGED TO	REF. NO.	PART NO.	ORDER	DESCRIPTION	COMMON MODEL	Q, TY
	3-71	★S1-005-033-100		ROLLER(A),H/P		1
	3-72	★S1-005-014-600		SOLENOID BRACKET(AT)		1
	3-73	★S1-005-014-700		HOLDER PLATE, SOLENOID		1
	3-74	★S1-005-042-200		SPRING,HOLDER PLATE		1
	3-75	★S1-005-011-300		FF PLATE		1
	3-76	★S3-005-011-100		MODE PLATE ASSY		1
	3-77	★S1-005-041-600		SPRING,POWER		1
	3-78	★S1-005-020-000		FF CRANK		1
	3-79	★S3-005-012-800		T CRANK ASSY		1
	3-80	★S1-005-050-800		SPACER(T)		2
	3-81	★S3-005-011-000		POWER ARM ASSY		1
	3-82	★S1-005-021-000		REEL DRIVER		2
	3-83	★S1-005-041-200		SPRING,SLLEVE		2
	3-84	S1-005-022-350		REEL BUSH ASSY(PH)		2
	3-85	★S3-005-010-600		REEL PLATFORM BRACKET ASSY		1
	3-86	★S1-005-020-500		ROLLER,H/A		1
	3-87	S1-005-022-200		PULLEY,TENSION		1

Note **When placing an order for service parts, always enter the parts code No. up to the last numeral on the service parts ordering sheet.**